User Guide

INSIGNIA™

19" White LCD TV

NS-L19W2Q-10A

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CHILD SAFETY

It makes a difference how and where you use your flat panel display

As you enjoy your new product, keep these safety tips in mind

The issue

The home theater entertainment experience is a growing trend, and larger TVs are popular purchases. However, TVs are not always supported on the proper stands or installed according to the manufacturer's recommendations. We and the consumer electronics industry are committed to making home entertainment enjoyable and safe.

TVs that are inappropriately placed on dressers, bookcases, shelves, desks, speakers, chests, or carts may fall over and cause injury.

Tune into safety

- One size of TV stand does **not** fit all. Use only a TV stand rated for the weight of your TV.
- Carefully read and understand all enclosed instructions for proper use of this product.
- Don't let children climb on or play with entertainment system furniture and TVs.
- Don't place TVs on furniture that can easily be used as steps, such as a chest of drawers.
- Remember that children can become excited while watching a program, especially on a "larger-than-life" TV. Make sure that you place or install the TV where it cannot be pushed, pulled over, or knocked down.
- Make sure that you route all cords and cables so that they cannot be pulled or grabbed by curious children.

Wall mounting

If you decide to wall mount your TV, always remember:

- One size of wall mount does **not** fit all. Use only a wall mount rated for the weight of your TV and that has been recommended by this TV manufacturer, listed in this manual, or otherwise listed by an independent laboratory as suitable for your TV.
- Follow all instructions supplied by the TV and wall mount manufacturers.
- If you have any doubts about your ability to safely wall mount your TV, get help from a professional installer.
- Make sure that the wall where you are mounting the TV is appropriate. Some wall mounts are not designed to be mounted to walls backed with steel studs or cinder blocks. If you are unsure, ask a professional installer.

CEA® Consumer Electronics Association

- TVs can be heavy. At least two people are required for safe wall mount installation.

Important safety instructions

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

This symbol indicates that dangerous voltage constituting a risk of electric shock is present within your TV. This label is located on the back of your TV.

This symbol indicates that there are important operating and maintenance instructions in the literature accompanying your TV.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. The *mains plug* is the disconnecting device. The plug must remain readily operable.
16. The apparatus with grounding-type plug is a class I apparatus. Class I apparatus need to be connected to earth ground wire to prevent possible electric shock. Make sure that you connect the class I apparatus to a mains socket outlet with a protective earthing connection.
17. Remote control batteries should not be exposed to excessive heat such as sunshine, fire, or the like.
18. The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

Warnings

Electric shock hazard

To reduce the risk of fire or electric shock, do not remove any cover or expose the device to rain or moisture. No user-serviceable parts are inside. Refer servicing to qualified service technicians.

Lightning

For added protection for your device receiver during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the power outlet and disconnect any antenna or cable system. This helps prevent property damage and personal injury from lightning and power line surges.

Power lines

An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

Handling the LCD panel

- Your TV's screen is made of glass. Do not drop your TV or hit, jolt, or press hard against the LCD panel. If the screen breaks, be careful of broken glass.
- If the LCD panel is broken, make absolutely sure that you do not touch the liquid in the panel. This may cause skin inflammation.
- If the liquid gets in your mouth, immediately gargle, rinse, and consult with your doctor. Also, if the liquid gets in your eyes or touches your skin, consult with your doctor after rinsing for at least 15 minutes or longer in clean water.

Replacement parts

When replacement parts are required, make sure that the service technician uses replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, personal injury, or other hazards.

Safety check

After completing any service or repair to this device, ask the service technician to perform routine safety checks to determine that your TV is in correct operating condition.

Power source

Operate your TV only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home, consult an electrician or your local power company.

Cautions

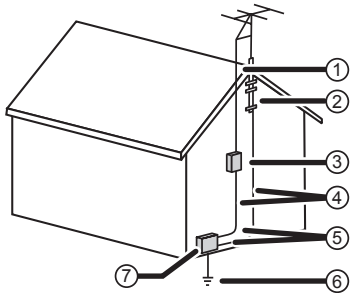
Damage requiring service

Unplug this TV from the power outlet and refer servicing to qualified service personnel under the following conditions:

- When the power supply cord or plug is damaged or frayed.
- If liquid has been spilled or objects have fallen into your TV.
- If your TV has been exposed to rain or water.
- If your TV does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions because incorrect adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore your TV to its normal operation.
- If your TV has been dropped or damaged in any way.
- When your TV exhibits a distinct change in performance.

Outdoor antenna grounding

If an outside antenna or cable system is connected to your TV, make sure that the antenna or cable system is grounded to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA No. 70, provides information with respect to correct grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of the antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.



1	Antenna lead-in wire
2	Grounding clamp
3	Antenna discharge unit
4	Grounding conductors
5	Ground clamps
6	Power service grounding electrode system
7	Electric service equipment

Note to CATV system installer

Article 820 of the National Electrical Code, ANSI/NFPA No. 40 provides guidance for correct grounding. Specifically, it states that the cable ground must be connected to the grounding system of the building as close to the point of cable entry as practical.

Condensation

Moisture will form on the TV if the TV is brought from cool surroundings into a warm room or if the temperature of the room rises suddenly. When this happens, the TV's performance may be impaired. To prevent this, let the TV stand in its new surroundings for about an hour before switching it on, or make sure that the room temperature rises gradually.

Condensation may also form during the summer if the TV is exposed to the breeze from an air conditioner. In such cases, change the location of the TV.

Mobile telephone warning

To avoid interference with your TV picture and sound, operating problems, or even damage, keep your cordless and cellular telephones away from the TV.

End of life directives

Your TV contains tin-lead solder and a fluorescent lamp containing a small amount of mercury. Disposal of these materials may be regulated for environmental reasons. Your TV also contains material that can be recycled and reused. For disposal or recycling information, contact your local authorities or the Electronic Industries Alliance at www.eia.org to find a recycler in your area.

Non-active pixels

The LCD panel contains almost 3 million thin film transistors, which provide exceptionally sharp video quality. Occasionally, a few non-active pixels may appear on the screen as a fixed blue, green, or red point. These non-active pixels do not adversely affect the performance of your TV, and are not considered defects.

Introduction

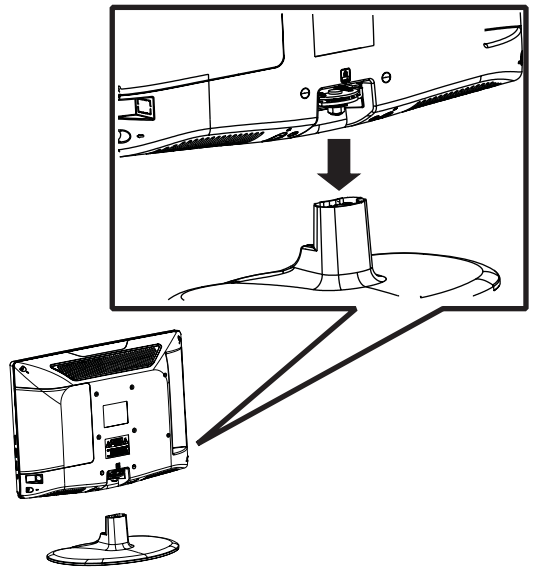
Congratulations on your purchase of a high-quality Insignia product. Your NS-L19W2Q-10A, represents the state of the art in LCD TV design and is designed for reliable and trouble-free performance.

Installing the stand or wall-mount bracket

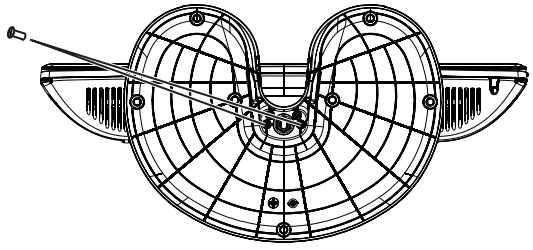
Installing the stand

To install the stand:

1. Carefully place your TV screen face-down on a cushioned, clean surface to protect the screen from damages and scratches.
2. Carefully align and push the base into the stand until the locking mechanism locks into place.



3. Secure the stand to your TV with the two provided screws.



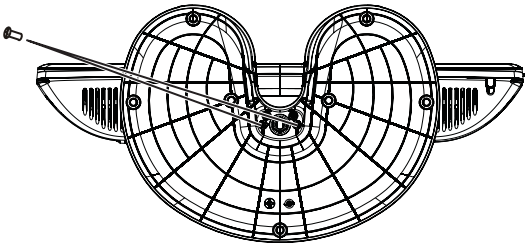
Installing a wall-mount bracket

To install a wall-mount bracket:

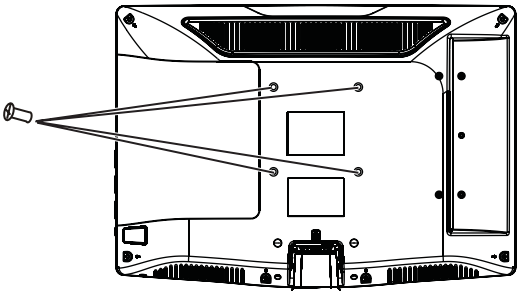
Warning

These servicing instructions are for use by qualified service personnel only. To reduce the risk of hazards, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

1. Remove the two screws that secure the stand to your TV, then remove the stand.



2. Secure the wall-mount bracket to the back of your TV with four M4 screws.



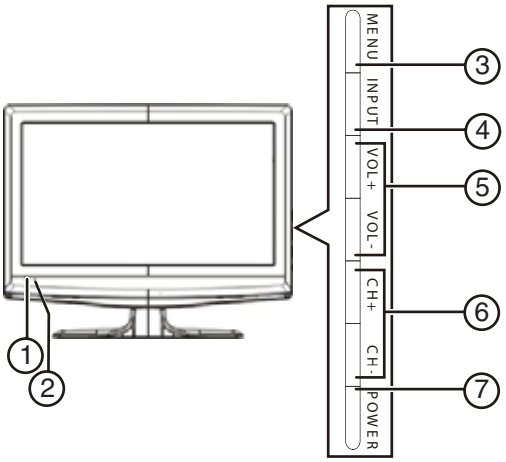
3. Using the four M4 screws you removed in step 1, attach the wall-mount bracket to the back of your TV.

TV components

Accessories

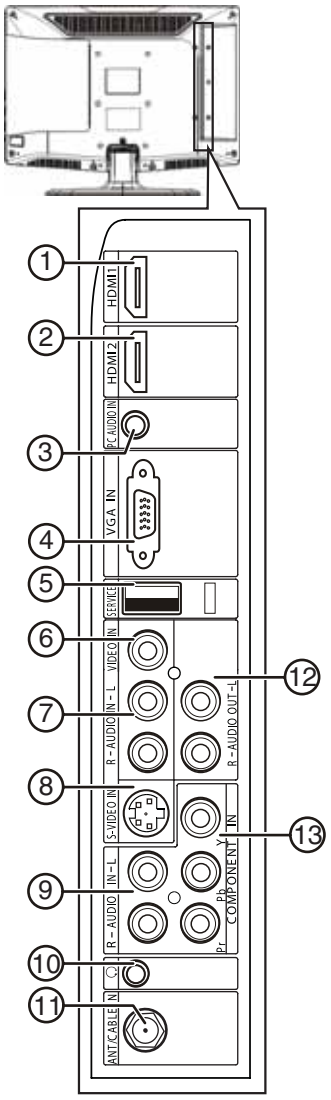
- Remote control
- Batteries (2)
- Component cable
- *User Guide*
- *Quick Setup Guide*

Front



#	Item	Description
1	Remote control sensor	Receives signals from the remote control. Do not block.
2	Power LED	Lights red when your TV is in Standby mode. Lights blue when your TV is turned on.
3	MENU	Press to open the on-screen menu.
4	INPUT	Press to select the video input source.
5	VOL+/VOL–	Press to increase or decrease the volume. In menu mode, press to adjust settings.
6	CH+/CH–	Press to go to the next or previous channel. In menu mode, press to go up or down.
7	POWER	Press to turn your TV on or off (Standby mode). When you turn off your TV, power still flows into it. To disconnect all power, unplug the power cord.

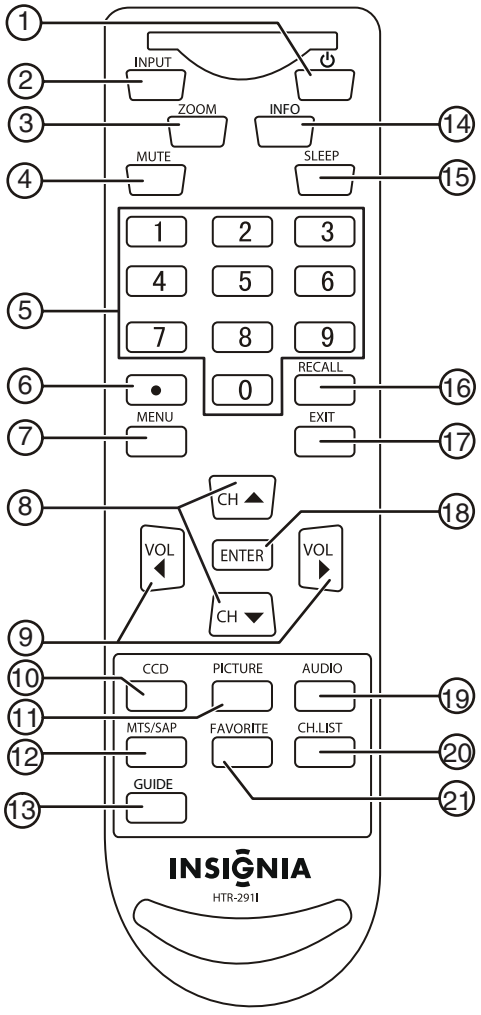
Back



#	Item	Description
1	HDMI 1	Connect an HDMI device to this jack. For more information, see “Connecting an HDMI device” on page 11.
2	HDMI 2	Connect an HDMI device to this jack. For more information, see “Connecting an HDMI device” on page 11.
3	PC AUDIO IN	Connect the audio for a computer to this jack. For more information, see “Connecting a computer” on page 12.
4	VGA IN	Connect a computer to this jack. For more information, see “Connecting a computer” on page 12.
5	SERVICE	For service only.
6	VIDEO IN	Connect a standard video device to this jack. For more information, see “Connecting a VCR” on page 10 or “Connecting a camcorder or game console” on page 10.
7	L and R AUDIO IN (for VIDEO IN or S-VIDEO IN)	Connect the audio for a standard video or S-Video device to these jacks. For more information, see “Connecting a VCR” on page 10 or “Connecting an S-Video device” on page 11.
8	S-VIDEO IN	Connect an S-Video device to this jack. For more information, see “Connecting an S-Video device” on page 11.

#	Item	Description
⑨	L and R AUDIO IN (for COMPONENT IN)	Connect the audio for a component video device to these jacks. For more information, see "Connecting a component video device" on page 11.
⑩	🎧 (headphone)	Connect headphones to this jack. For more information, see "Connecting headphones" on page 12.
⑪	ANT/CABLE IN	Connect an outside antenna, cable TV, cable TV box, or satellite TV box to this jack. For more information, see "Connecting an outside antenna or cable TV (no box)" on page 8 or "Connecting a cable TV via a cable TV box" on page 9.
⑫	L and R AUDIO OUT	Connect an amplifier to these jacks. For more information, see "Connecting an audio amplifier" on page 13.
⑬	COMPONENT IN	Connect a component video device to these jacks. For more information, see "Connecting a component video device" on page 11.

Remote control



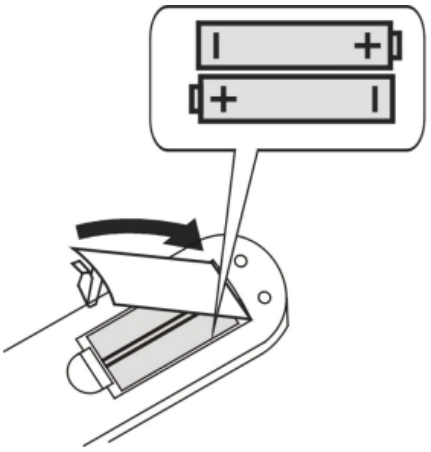
#	Item	Description
①	⏻ (power)	Press to turn your TV on or off (Standby). When your TV is in Standby mode, power still flows into it. To disconnect all power, unplug the power cord.
②	INPUT	Press to select the video input source. For more information, see "Selecting the video input source" on page 14.
③	ZOOM	Press to select the aspect ratio. You can select **Auto Zoom**, **Normal**, **Zoom**, **Wide**, and **Cinema**. (Choices vary with video input sources.)
④	MUTE	Press to turn off the sound. Press again to turn the sound back on. Pressing **MUTE** does not affect the sound played through headphones.
⑤	Numbers	Press to enter channel numbers. In menu mode, press to enter the parental controls password.
⑥	●	Press to select digital sub-channels. For more information, see "Selecting a channel" on page 15.
⑦	MENU	Press to open the on-screen menu. For more information, see "Navigating the menus" on page 15.
⑧	CH ▲ / CH ▼	Press to go to the next higher or lower channel. In menu mode, press to move up or down.
⑨	VOL ◀ / VOL ▶	Press to increase or decrease the volume. In menu mode, press to highlight menus and adjust settings.
⑩	CCD	Press to turn closed captioning on or off. You can select **CC Off**, **CC On**, or **CC On Mute**.
⑪	PICTURE	Press to select the picture mode. You can select **Vivid**, **Standard**, **Energy Savings**, **Theater**, **Sports**, or **Custom**.
⑫	MTS/SAP	In analog TV mode, press to select the sound mode. You can select **Mono**, **Stereo**, or **SAP**. In digital TV mode, press to select the audio track, if available. For more information, see "Selecting the sound mode" on page 18.
⑬	GUIDE	Press to open the electronic program guide (EPG).
⑭	INFO	Press to display channel and program information. For more information, see "Displaying additional information" on page 15.
⑮	SLEEP	Press to set the sleep timer. For more information, see "Setting the sleep timer" on page 28.
⑯	RECALL	Press to go to the last viewed channel.
⑰	EXIT	Press to close the on-screen menu.
⑱	ENTER	Press to confirm selections in menus.
⑲	AUDIO	Press to select the audio mode. You can select **Custom**, **Standard**, **Theater**, **Music**, or **News**.
⑳	CH.LIST	Press to open the channel list.
㉑	FAVORITE	Press to open the favorite channel list. For more information, see "Setting up a favorite channel list" on page 20 and "Viewing a favorite channel" on page 20.

Using the remote control

Installing remote control batteries

To install remote control batteries:

1 Remove the battery cover.



2 Insert two AAA batteries (included) into the battery compartment. Make sure that the + and – symbols on the batteries align with the + and – symbols in the battery compartment.

3 Replace the battery cover.

Cautions

- Batteries should not be exposed to excessive heat, such as sunshine, heat registers, or fire.
- Battery chemicals can cause a rash. If the batteries leak, clean the battery compartment with a cloth. If chemicals touch your skin, wash immediately.
- Make sure that batteries are disposed of correctly. Do not burn or incinerate.

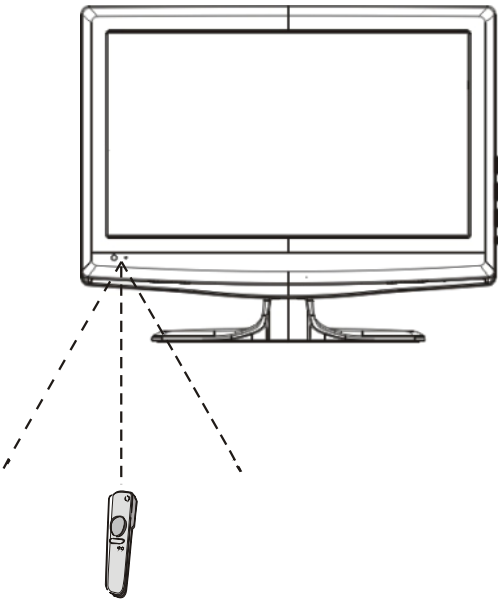
Notes

- Do not mix batteries of different types.
- Do not mix old and new batteries.
- Remove batteries when the charge is depleted.
- If the remote control is not going to be used for an extended period of time, remove the batteries.

Aiming the remote control

To aim the remote control:

- Point the remote control towards the remote sensor on the front of your TV. The remote control's range is 30° to each side of the remote sensor, 15° above and below the sensor, and within 26.25 ft. (8 m) of the sensor.



Notes

- Do not expose the remote control to shock or liquids.
- Do not use the remote control in an area with high humidity.
- Do not place the remote control in direct sunlight.
- Do not place objects, such as furniture, between the remote control and the remote sensor.
- The remote control may not work if direct sunlight or bright light shines on the remote sensor. Either move your TV or change the angle at which you use the remote control.

Programming a universal remote control to work with your TV

You can operate your Insignia TV with a new or existing universal remote control.

To program a universal remote control:

1. Find the code for your universal remote control by identifying its model (or your set-top box's remote control manufacturer and model) on the charts below, then making note of the numbered code below it. You will use the numbered code to program your remote control to work with your Insignia TV.

Insignia TV codes for universal remote controls (for all Insignia TVs manufactured after Jan. 1, 2007)				
Universal remote control manufacturers and models				
Philips PHDVD5, PH5DSS, PMDVR8, PDVR8	RCA RCU807	One for All URC-6690	Sony RM-VL600	
115	**135**	**0464**	**8043**	
Set-top box manufacturers and models				
Comcast M1057	Dish Network VIP508, VIP622	Motorola DRC800	TIVO Series 3, HD	DirectTV RC23
0463	**720**	**0463**	**0091**	**10463**

Codes for other remote controls are available online at:

www.insigniaproducts.com/universalcontrolcodes.aspx

Tips

- The brand name is often visible on the front of the universal remote control, and the model number is often visible on the back.
- If your universal remote control isn't listed on the chart, refer to your universal remote control's instructions and try codes for the brands Orion, Emerson, Memorex, Sansui, Sylvania, or Zenith. You may need to try several codes before finding a match.

2. Follow your universal remote control's instructions to enter the TV code you found in Step 1.

Tips

- If your universal remote control has a code search feature, run a code search to identify a code that matches your TV. See your universal remote control's instructions for details.
- If your universal remote control has a "Learn" feature, you can manually program it using the Insignia TV remote to "teach" the commands one at a time. See your universal remote control's instructions for details.

3. If all else fails, you must use a different universal remote control that can operate both your set-top box and your TV. Four such remotes are listed on the chart, but many other compatible models are available in the market.

   For more help, call technical support for your universal remote control or set-top box manufacturer, or call the Insignia Customer Care Center at 1-877-467-4289.

Making connections

Connecting the power

To connect the power:

- Plug the power cord into a power outlet.

Cautions

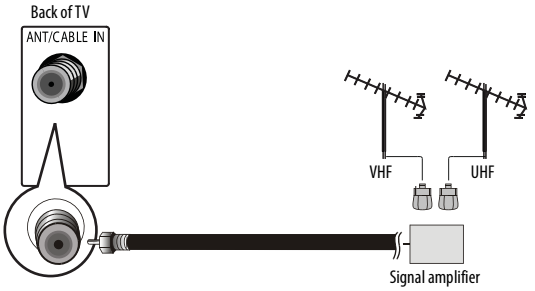
- Make sure that you use the correct type of power. See the label on your TV.
- If you do not intend to use your TV for an extended period of time, unplug the power cord from the power outlet.

Connecting an outside antenna or cable TV (no box)

To connect an outside antenna or cable TV (no box):

1. Connect a coaxial cable to the **ANT/CABLE IN** jack on the back of your TV and to the antenna or cable TV outlet.

2. If you are using an outside antenna and reception is weak, install a signal amplifier.



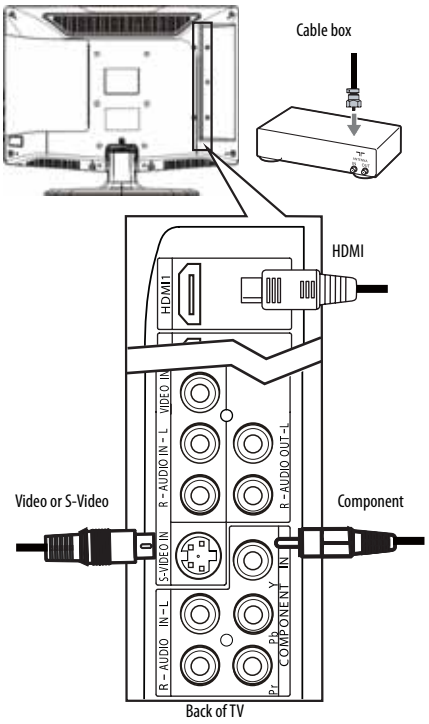
Notes

- If the antenna needs to be split for two TVs, install a 2-Way signal splitter.
- If the antenna is not installed correctly, contact your dealer for assistance.

Connecting a cable TV via a cable TV box

To connect a cable TV box via a cable TV box:

1. Connect the incoming cable from the cable wall jack to the cable-in jack on the cable box.
2. Depending on the jacks available on the cable box, connect a cable from the outgoing jacks on the cable box to the corresponding jacks on the back of your TV. The connection can be to the cable-out, HDMI, component video, S-Video, or AV jack.

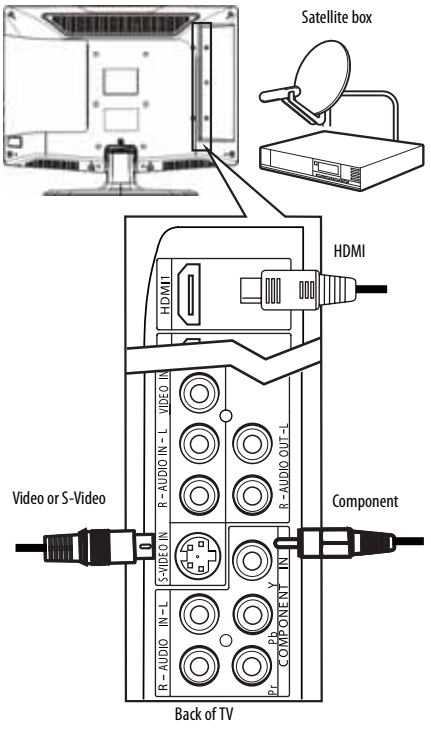


3. If you use a component video, S-Video, or AV cable, connect an audio cable to the corresponding jacks on the back of your TV and on the cable box.

Connecting satellite TV via a satellite TV box

To connect satellite TV:

1. Connect the incoming cable from the satellite wall jack to the satellite-in jack on the satellite box.
2. Depending on the jacks available on the satellite TV receiver (set-top box), connect a cable from the outgoing jacks on the satellite box to the corresponding jacks on the back of your TV. The connection can be to the HDMI, component video, S-Video, or AV jack.

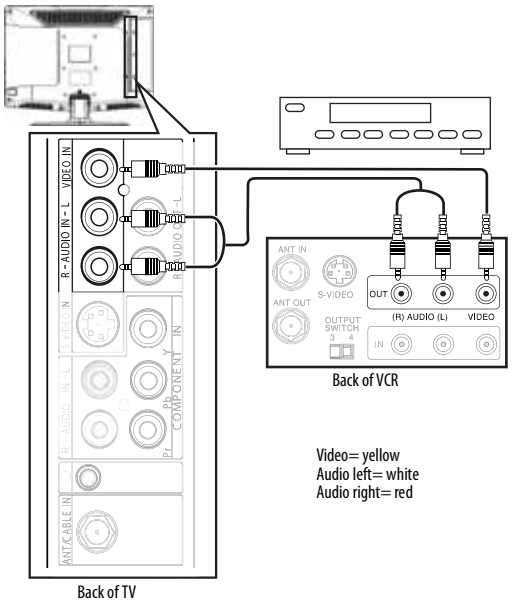


3. If you use a component video, S-Video, or AV cable, connect an audio cable to the corresponding jacks on the back of your TV and on the satellite box.

Connecting a VCR

To connect a VCR:

1. Connect an AV cable to the **VIDEO IN** jack and **R** and **L AUDIO** jacks next to the **VIDEO IN** jack on the back of your TV and to the **VIDEO** and **AUDIO OUT** jacks on the VCR.



2. Turn on your TV, then turn on the VCR.
3. Press **INPUT**, press **CH ▲** or **CH ▼** to select **Composite**, then press **ENTER** or **VOL ►**.
4. Insert a videotape into the VCR, then press **PLAY**.

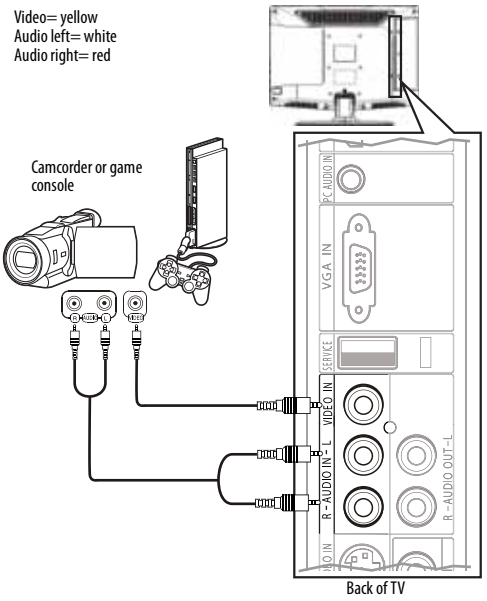
Note

To avoid picture noise (interference), leave an adequate distance between the VCR and TV.

Connecting a camcorder or game console

To connect a camcorder or game console:

1. Connect an AV cable to the **VIDEO IN** jack and **R** and **L AUDIO** jacks next to the **VIDEO IN** jack on the back of your TV and to the **VIDEO** and **AUDIO OUT** jacks on the camcorder or game console.

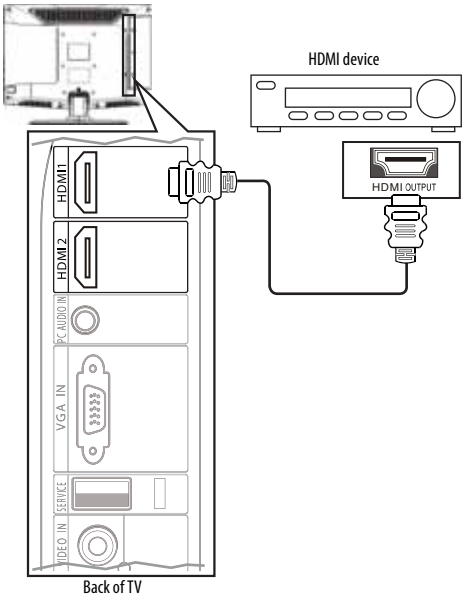


2. Turn on your TV, then turn on the camcorder or game console.
3. Press **INPUT**, press **CH ▲** or **CH ▼** to select **Composite**, then press **ENTER** or **VOL ►**.

Connecting an HDMI device

To connect an HDMI device:

1. Connect an HDMI cable to the **HDMI 1** or **HDMI 2** jack on the back of your TV and to the **HDMI OUT** jack on the HDMI device.



2. Turn on your TV, then turn on the HDMI device.
3. Press **INPUT**, press **CH ▲** or **CH ▼** to select **HDMI 1 or HDMI 2**, then press **ENTER** or **VOL ►**.

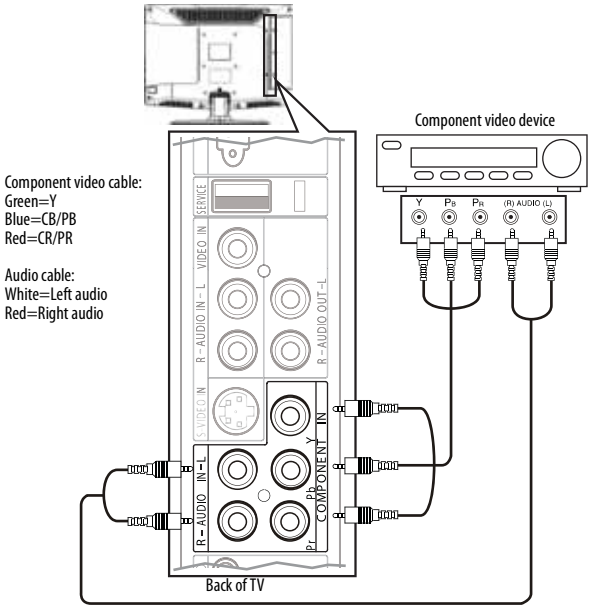
Note

You can use an HDMI-to DVI adapter to connect a DVI device to your TV.

Connecting a component video device

To connect a component video device:

1. Connect a component video cable to the **COMPONENT VIDEO IN** (**Y**, **Pb**, **Pr**) jacks on the back of your TV and to the **COMPONENT VIDEO OUT** jacks on the component video device.

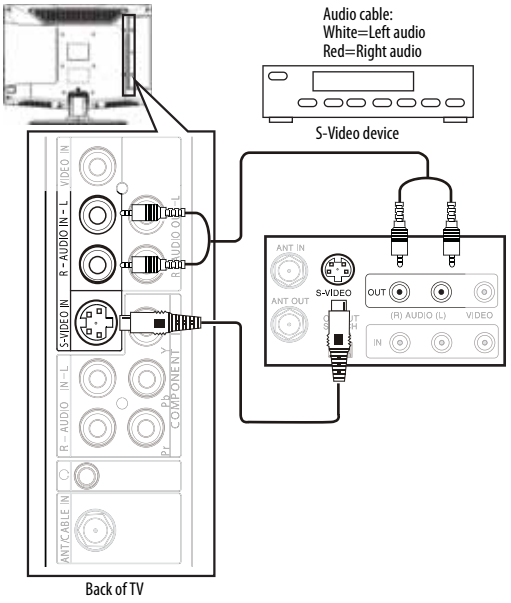


2. Connect an audio cable to the **AUDIO L** and **R** jacks next to the **COMPONENT VIDEO IN** jacks on the back of your TV and to the **AUDIO OUT** jacks on the component video device.
3. Turn on your TV, then turn on the component video device.
4. Press **INPUT**, press **CH ▲** or **CH ▼** to select **Component**, then press **ENTER** or **VOL ►**.

Connecting an S-Video device

To connect an S-Video device:

1. Connect an S-Video cable to the **S-VIDEO IN** jack on the back of your TV and to the **S-VIDEO OUT** jack on the S-Video device.



2. Connect an audio cable to the **AUDIO R** and **L** jacks next to the **S-VIDEO IN** jack on the back of your TV and to the **AUDIO OUT** jacks on the S-Video device.
3. Turn on your TV, then turn on the S-Video device.
4. Press **INPUT**, press **CH ▲** or **CH ▼** to select **S-Video**, then press **ENTER** or **VOL ►**.

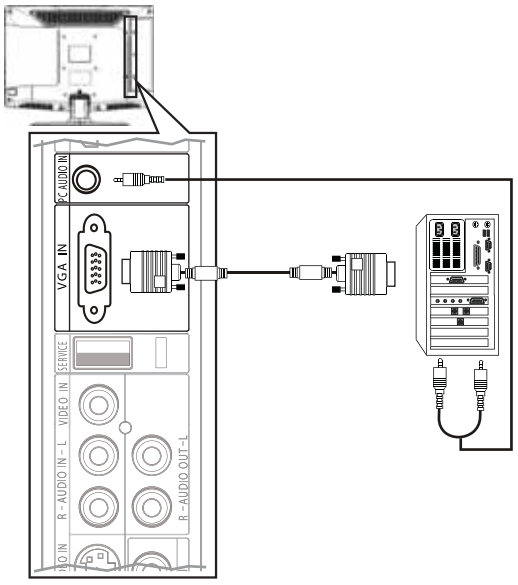
Connecting a computer

Note

If the computer has an HDMI jack, you can connect it to an HDMI jack on your TV.

To connect a computer:

1. Connect a VGA cable to the **VGA IN** jack on the back of your TV and to the **VGA** jack on the computer.



Back of TV

2. Connect an audio cable to the **PC AUDIO IN** jack on the back of your TV and the **AUDIO OUT** jack on the computer.
3. Turn on your TV, then turn on the computer.
4. Press **INPUT**, press **CH ▲** or **CH ▼** to select **VGA**, then press **ENTER** or **VOL ►**.
5. If you do not see the computer image on your TV, press **F8** on the computer keyboard.
6. If the computer image has video noise, try changing the resolution or refresh rate on the computer or adjust the brightness or contrast on the TV.

   For more information about changing resolution or refresh rates, see the documentation that came with the computer. For more information about adjusting the brightness or contrast, see "Adjusting the TV picture" on page 16.

Mode	Resolution	Line frequency (KHz)	Frame frequency (Hz)
VGA	640 × 480	31.5	60
SVGA	800 × 600	37.9	60
XGA	1024 × 768	48.4	60
	1280 × 720	45	60
	1280 × 768	47.45	60
	1360 × 768	47.7	60

Note: All above listed are subject to VESA criteria.

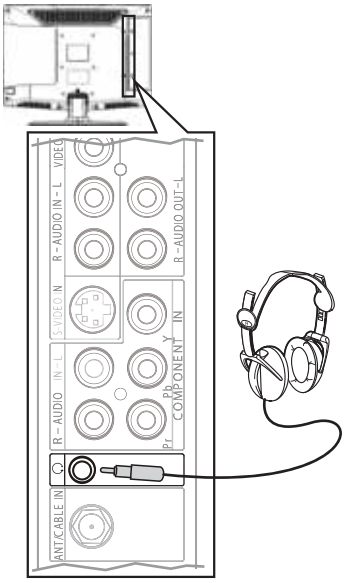
Note

When the computer goes into standby mode, your TV/monitor turns off. Your TV/monitor wakes automatically your computer exits standby mode.

Connecting headphones

To connect headphones:

- Plug headphones into the 🎧 jack on the back of your TV.

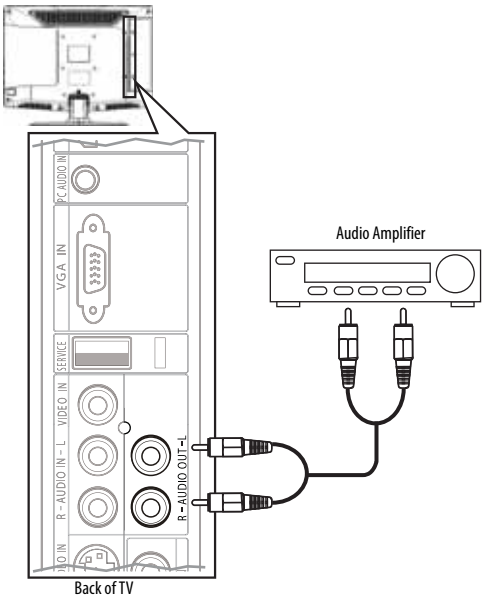


Back of TV

Connecting an audio amplifier

To connect an audio amplifier:

- Connect an audio cable to the **AUDIO OUT L** and **R** jacks on the back of your TV and to the **AUDIO IN** jacks on the amplifier.

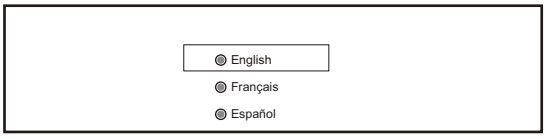


Turning on your TV for the first time

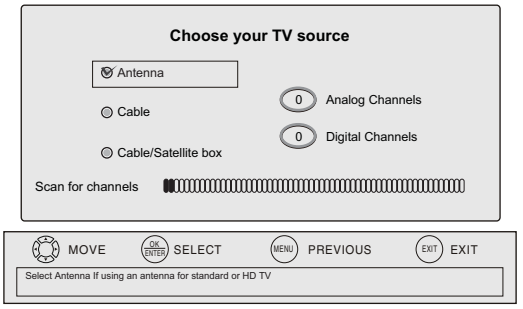
The first time you turn on your TV, the Setup Wizard opens. The Setup Wizard guides you through setting up basic settings including the menu language, TV signal source, and the channel list.

To set up your TV:

1. Make sure that you have:
   - Installed the remote control batteries. (See page 7 for details).
   - Connected an antenna, cable TV, or satellite TV. (See pages 8 and page 9 for details.)
   - Connected the power cord. (See page 8 for details.)
2. Press ⏻ (power) to turn on your TV. The *Choose your menu Language* screen opens.



3. Press ▲ or ▼ to highlight **English**, **Français**, or **Español**, then press **ENTER** to confirm your selection. The *Choose your TV source screen* opens.



4. Press ▲ or ▼ to highlight **Antenna**, **Cable**, or **Cable/Satellite** box (if your cable TV uses a box, select **Cable/Satellite** box), then press **ENTER**. If you chose **Antenna** or **Cable**, your TV automatically starts scanning for channels available in your viewing area. If you chose **Cable/Satellite** box, your TV does not need to scan for channels.

   When the scan is complete, the Setup Wizard closes automatically.

Note

You can change the menu language or scan for channels at a later date. For more information, see "Selecting the menu transparency" on page 29 or "Automatically scanning for channels" on page 18.

Understanding the basics

Note

Unless otherwise noted, all tasks in this section are based on using the remote control.

Turing your TV on or off

To turn your TV on and off:

1. Make sure that the power cord is connected to your TV and a power outlet. The power LED lights red.
2. Press ⏻. The power LED lights blue.
3. Press ⏻ again to turn off your TV. Your TV goes into Standby mode and the power LED lights red.

Warning

When your TV is off, power still flows into it. To disconnect power, unplug the power cord.

Note

If you turn on your TV and there is no signal, "No Signal" will be displayed on the screen.

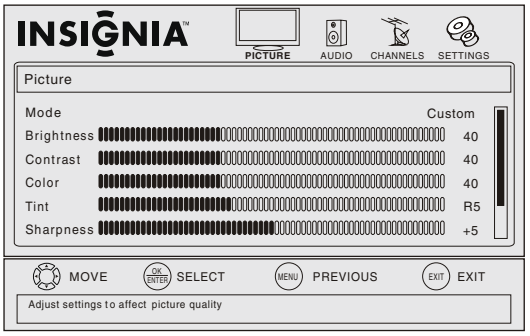
Selecting the video input source

To select the video input source:

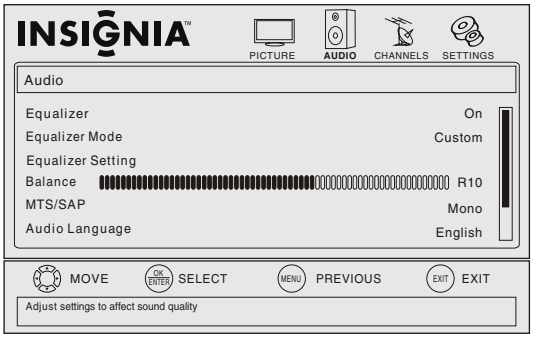
1. Press **INPUT** to open the list of video input sources.
2. Press **CH ▲** or **CH ▼** to select the video input source. You can select:
   - **TV**
   - **Composite**
   - **S-Video**
   - **Component**
   - **VGA**
   - **HDMI 1**
   - **HDMI 2**
3. Press **ENTER** or **VOL ►** to confirm your selection.

On-screen menu overview

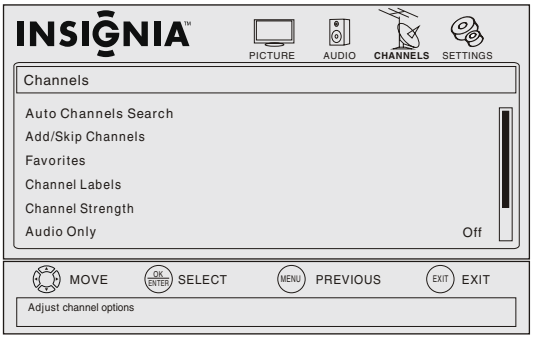
Picture menu



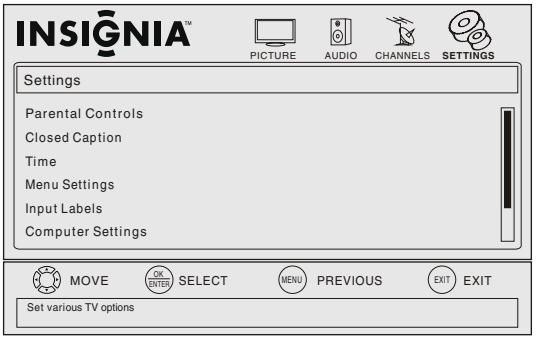
Audio menu



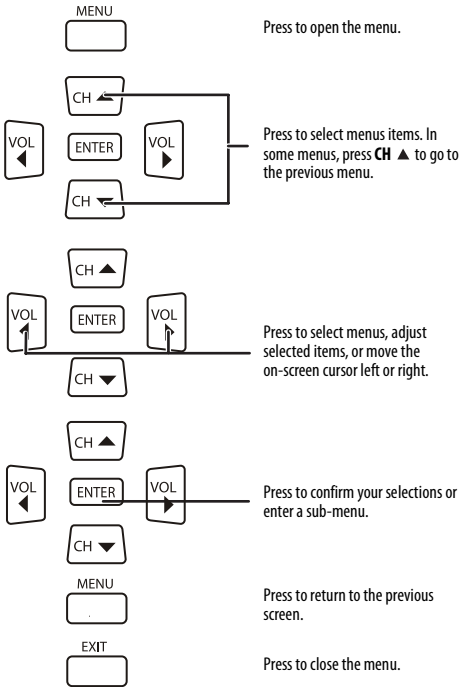
Channels menu



Settings menu



Navigating the menus



Selecting a channel

To select a channel:

- Press **CH ▲** or **CH ▼** to go to the next or previous channel on the memorized channel list.
- Press the number buttons to enter the analog or digital (main) channel number you want, then wait for the channel to change, or press **ENTER** to change the channel immediately.
- To select a digital sub-channel, press the number buttons to select the main digital channel, then press ● to select the sub-channel. Wait for the channel to change, or press **ENTER** to change the channel immediately.
- Press **RECALL** to go to the last channel viewed.
- Press **CH.LIST** to display a list of memorized channels, press **CH ▲** or **CH ▼** to highlight the channel you want from the list, then press **ENTER** or **VOL ►** to go to that channel.
- Press **FAVORITE** to display a list of your saved favorite channels, press **CH ▲** or **CH ▼** to highlight the channel you want from the list, then press **ENTER** or **VOL ►** to go to that channel.

Note

You can press the number buttons to go to a channel that was skipped in the channel scanning.

Digital sub-channels

A digital TV signal transmits more data than an analog signal. This increase in data provides a better picture and sound with less static and interference. The increased data capacity also lets broadcasters fit several channels into the same bandwidth as an analog signal.

Broadcasters may use these sub-channels to transmit a variety of information, such as weather forecasts, foreign languages, and commercials. A digital sub-channel is indicated by the main channel number, followed by a dot, then the sub-channel number. For example, 5.1 indicates sub-channel 1 of main channel 5.

Adjusting the volume

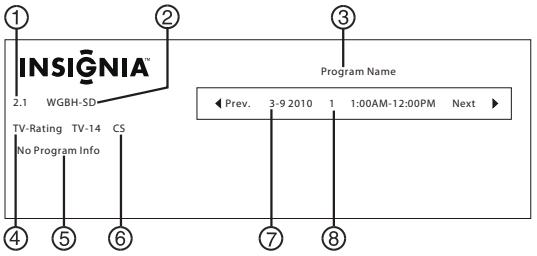
To adjust the volume:

- Press **VOL ◄** or **VOL ►** to decrease or increase the volume.
- Press **MUTE** to turn off the sound. Press **MUTE** again to turn the sound back on. Pressing **MUTE** does not affect the sound played through headphones.

Displaying additional information

To display additional information:

- Press **INFO** to show an information banner. The information banner shows current program information such as channel number, video input source, and resolution.
  - **Digital mode information**—Displays channel number, channel label (if preset), broadcast program name, TV rating, signal type, audio information, resolution, current time, and current program start and end times.
  - **Analog mode information**—Displays channel number, channel label (if preset), signal type, audio information, and TV rating.
- Press **GUIDE** to open the electronic program guide.



#	Description
①	Channel number
②	Channel name
③	Program name
④	TV rating
⑤	Program description, if available
⑥	Closed caption style
⑦	Program date
⑧	Program time

Adjusting the picture

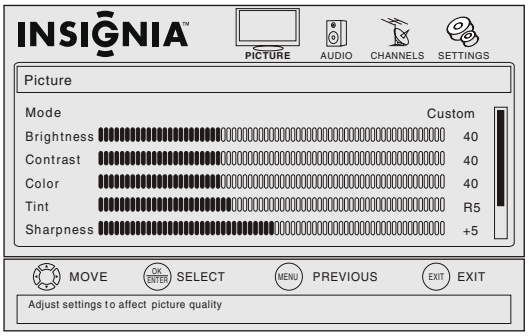
Note

Unless otherwise noted, all tasks in this section are based on using the remote control.

Adjusting the TV picture

To adjust the picture:

1. Press **MENU**. The on-screen menu opens with the *Picture* menu displayed. Press **CH ▼** or **ENTER** to access the *Picture* menu.



2. Press **CH ▲** or **CH ▼** to highlight an option, then press **ENTER** or **VOL ►** enter the sub-menu. You can select:
   - **Mode**–Selects the picture mode. You can select **Vivid**, **Standard**, **Energy Savings**, **Theater**, **Sports**, or **Custom**. You can also press **PICTURE** to select the picture mode.
   - **Brightness**—Adjusts the brightness.
   - **Contrast**—Adjusts the contrast.
   - **Color**—Adjusts the color saturation.
   - **Tint**—Adjusts the picture tone.
   - **Sharpness**—Adjusts the detail enhancement. Increasing the level, displays cleaner and clearer images, and decreasing the level makes the picture smoother
   - **Advanced Video**—For more information, see "Adjusting Advanced Video settings" on page 16.
   - **Reset Picture Settings**—Resets all picture settings to the factory defaults.

Note

If you adjust **Brightness**, **Contrast**, **Color**, **Tint**, or **Sharpness**, your TV automatically changes the **Mode** to **Custom**.

Note: You may need to scroll down to see all the options. When **Mode** is highlighted, press **CH ▲** to return to **PICTURE** icon at the top.

3. Press **VOL ◄** or **VOL ►** to adjust the option.
4. Press **MENU** to go to the previous menu or **EXIT** to close the menu.

Adjusting Advanced Video settings

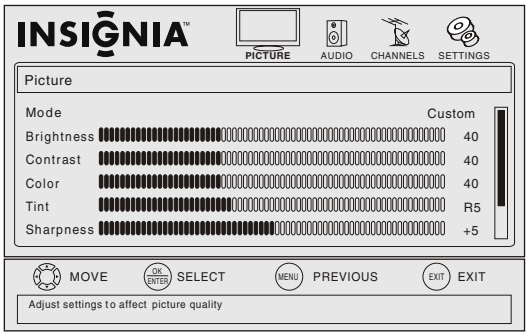
To adjust advanced video settings:

1. On the picture menu, press **CH ▲** or **CH ▼** to highlight **Advanced Video**, then press **ENTER** or **VOL ►**. The *Advanced Video* menu opens.
2. Press **CH ▲** or **CH ▼** to highlight an option, then press **ENTER** or **VOL ►**. You can select:
   - **Aspect Ratio**—Selects the aspect ratio. You can select **Normal**, **Zoom**, **Wide**, **Cinema**, or **Auto Zoom**. **Auto Zoom** is only available in TV mode and when **Auto Zoom** on the *Channels* menu is set to **On**. In VGA mode or in HDMI mode when a computer is connected to the HDMI jack, only **Wide** and **Normal** are available.
   - **Overscan**—Turns overscan **On** or **Off**.
   - **Color temperature**—Selects the color temperature to change the overall color of the picture. You can select **Cool**, **Normal**, or **Warm**. Select **Cool** to give the white colors a blue tint, **Normal** to give the white colors a neutral tint, **Warm** to give the white colors a red tint.
   - **Backlight**—Controls the overall brilliance of the screen.
   - **Noise Reduction**—Controls video noise. You can select **Off**, **Low**, **Middle**, or **High**.
   - **Advanced Contrast**—Turns Adaptive Contrast **On** or **Off**.
3. Press **VOL ◄**, **VOL ►**, **CH ▲**, or **CH ▼** to adjust the option, then press **ENTER** to confirm your setting.
4. Press **MENU** to go to the previous menu or **EXIT** to close the menu.

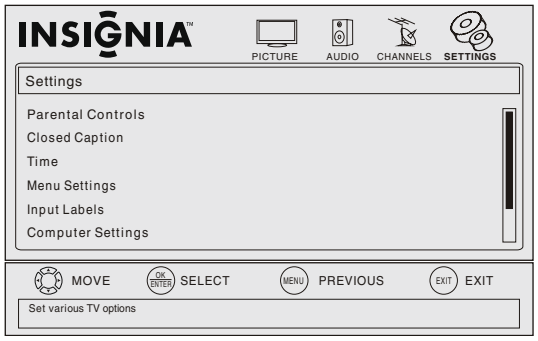
Adjusting the computer image

To adjust the computer image:

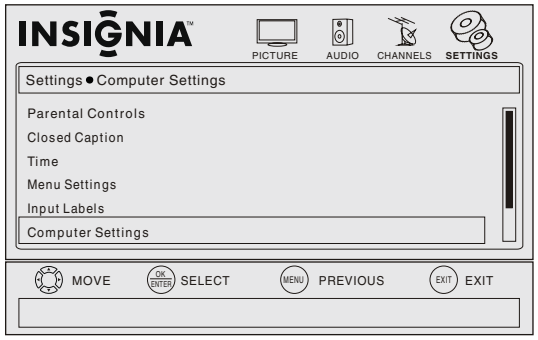
1. Press **MENU**. The on-screen menu opens with the *Picture* menu displayed.



2 Press **VOL** ◄ or **VOL** ► to highlight **SETTINGS**, then press **CH** ▼ or **ENTER**. The *Settings* menu opens.



3 Press **CH** ▲ or **CH** ▼ to highlight **Computer Settings**, then press **ENTER** or **VOL** ►. The *Computer Settings* menu opens.



4 Press **CH** ▲ or **CH** ▼ to highlight an option, then press **ENTER** or **VOL** ►. You can select:

- **Auto Adjust**—Automatically adjusts the computer image for the best settings.
- **H. Position**—Moves the computer image up or down.
- **V. Position**—Moves the computer image left or right.
- **Clock**—Adjusts the clock setting of the picture.
- **Phase**—Adjusts the phase.
- **Reset Computer Settings**—Resets all computer settings to the factory defaults.

5 Press **VOL** ◄, **VOL** ►, **CH** ▲, or **CH** ▼ to adjust the option.

6 Press **MENU** to go to the previous menu or **EXIT** to close the menu.

Adjusting the sound

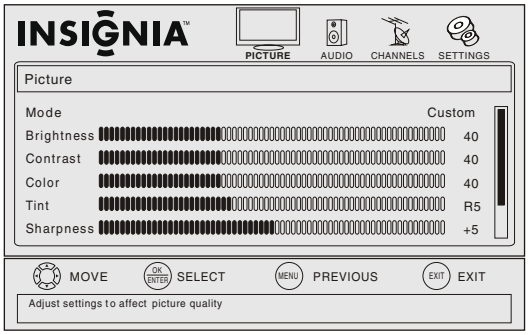
Note

Unless otherwise noted, all tasks in this section are based on using the remote control.

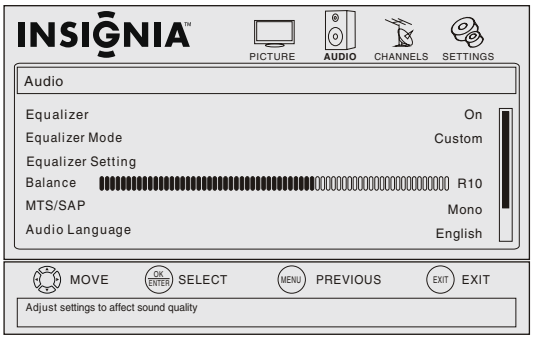
Adjusting the sound

To adjust the sound:

1 Press **MENU**. The on-screen menu opens with the *Picture* menu displayed.



2 Press **VOL** ◄ or **VOL** ► to highlight **AUDIO**, then press **CH** ▼ or **ENTER**. The *Audio* menu opens.



3 Press **CH** ▲ or **CH** ▼ to highlight an option, then press **VOL** ◄ or **VOL** ► to adjust the option. You can select:

- **Equalizer**—Turns the Equalizer option **On** or **Off**. Select **Off** for normal frequency response. Select **On** for optimized frequency response.
- **Equalizer** (*set to **Off***)—You can adjust the treble and bass levels. Press **CH** ▼ to highlight **Treble** or **Bass**, press **ENTER** or **VOL** ► to access the sub-menu, then press **VOL** ◄ or **VOL** ► to adjust the level. Press **MENU** to return to the Audio menu.
- **Equalizer Mode**—Selects the equalizer mode. You can select **Custom**, **Standard**, **Theater**, **Music**, and **News**.
- **Equalizer Settings**—Set the equalizer frequency. You can select **120Hz**, **500Hz**, **1.5kHz**, **5kHz**, or **10kHz**.
- **Balance**—Adjusts the sound between the left and right speakers.

- **MTS/SAP**—Selects the sound mode (for analog channel only).
  - **Mono**—Produces a clearer sound if stereo sound is difficult to hear.
  - **Stereo**—Produces dynamic stereo sound for sporting events and concerts.
  - **SAP**—Selects a second language, weather, or added commentary, if available.
- **Audio Language**—Selects the audio language based on the languages supported by a DTV channel.
- **Auto Volume**—Automatically adjusts volume to be consistent across programs and channels. You can select **On** or **Off**.
- **Reset Audio Settings**— Resets all audio settings to factory defaults.

4 Press **ENTER** to confirm your setting.

5 Press **MENU** to go to the previous menu or **EXIT** to close the menu.

Selecting the sound mode

To select the sound mode:

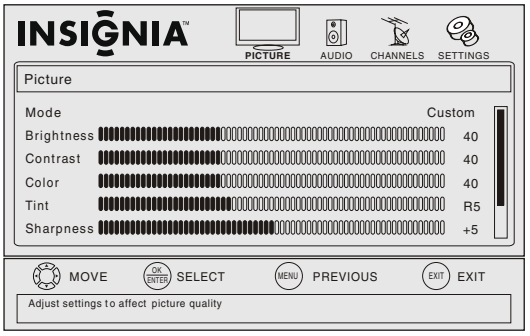
- In analog TV mode, press MTS/SAP one or more times. You can select:
  - **Mono**—Produces a clearer sound if stereo sound is difficult to hear.
  - **Stereo**—Produces dynamic stereo sound for sporting events and concerts.
  - **SAP**—Selects a second language, weather, or added commentary, if available.
- In DTV mode, press **MTS/SAP** to select a program language if multiple languages are available.

Playing TV audio only

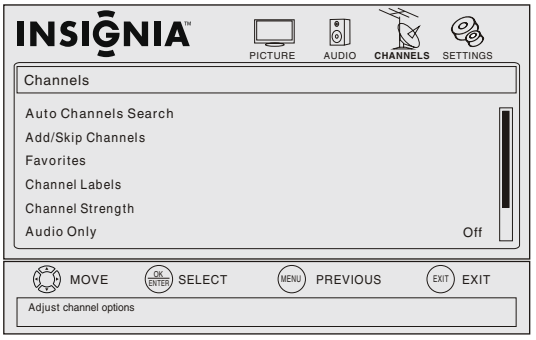
When watching TV, you can turn off the TV picture and listen to the audio only.

To play TV audio only:

1 Press **MENU**. The on-screen menu opens with the *Picture* menu displayed.



2 Press **VOL** ◄ or **VOL** ► to highlight **CHANNELS**, then press **CH** ▼ or **ENTER**. The *Audio* menu opens.



3 Press **CH** ▲ or **CH** ▼ to highlight **Audio Only**, press **ENTER** or **VOL** ► to access the sub-menu, then press **CH** ▲ or **CH** ▼ to select **On** or **Off**.

4 Press **ENTER** to confirm your setting.

5 Press **MENU** to go to the previous menu or **EXIT** to close the menu.

Changing channel settings

Note

Unless otherwise noted, all tasks in this section are based on using the remote control.

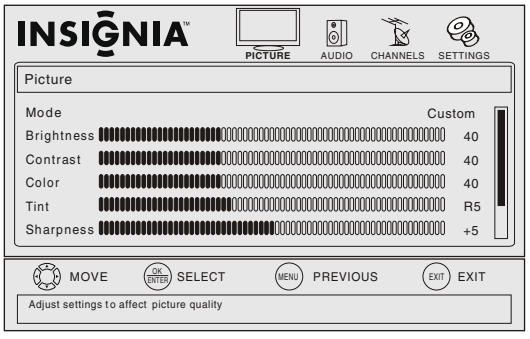
Automatically scanning for channels

When you scan for channels, your TV searches for channels with signals and stores the channel information in the channel list. When your press **CH** ▲ or **CH** ▼, your TV goes to the next or previous channel in the channel list and skips the channels that do not have signals.

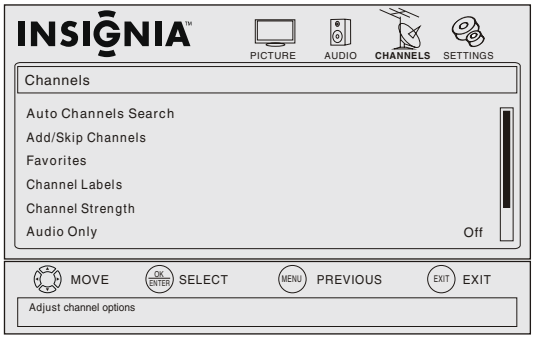
If the TV signal source changes, for example you change from an outdoor antenna to cable TV (no box), you need to scan for channels.

To automatically scan for channels:

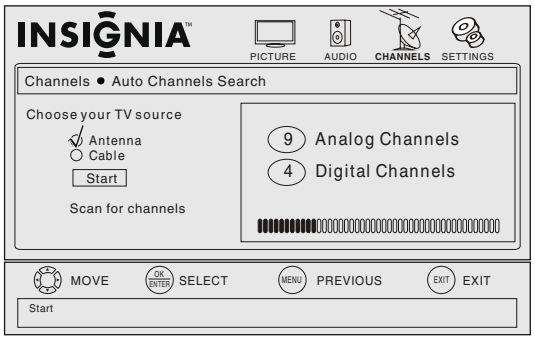
1 Press **MENU**. The on-screen menu opens with the *Picture* menu displayed.



2 Press **VOL** ◄ or **VOL** ► to select **CHANNELS**, then press **CH** ▼ or **ENTER**. The *Channels* menu opens.



3 Press **CH** ▲ or **CH** ▼ to highlight **Auto Channels Search**, then press **ENTER** or **VOL** ► to open the *Auto Channels Search* screen.



4 Press **CH** ▲ or **CH** ▼ to highlight **Antenna** or **Cable**, then press **ENTER**. A check mark appears next to your choice.

5 Press **CH** ▲ or **CH** ▼ to highlight **Start**, then press **ENTER** to start the scan. You can see the search progress and how many channels are found in the on-screen menu. When the scan is complete, your TV tunes to the first channel in the channel list.

Notes

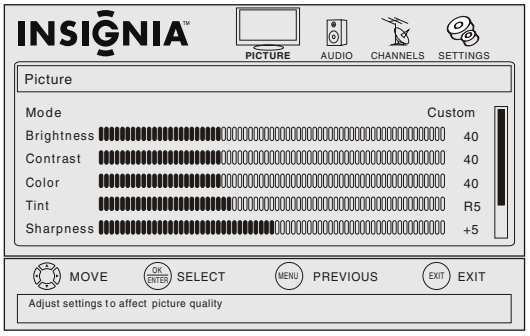
- You can press **EXIT** to stop the search.
- If you are using a cable or satellite TV box, you do not need to scan for channels.

Hiding channels

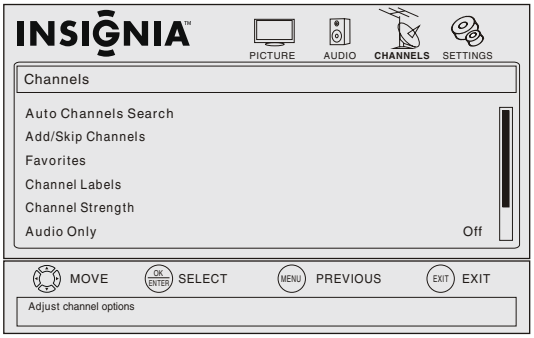
You can hide channels in the channel list. When you press **CH** ▲ or **CH** ▼, your TV will skip the hidden channels. You can still tune to a hidden channel by pressing the number buttons for the channel.

To hide channels:

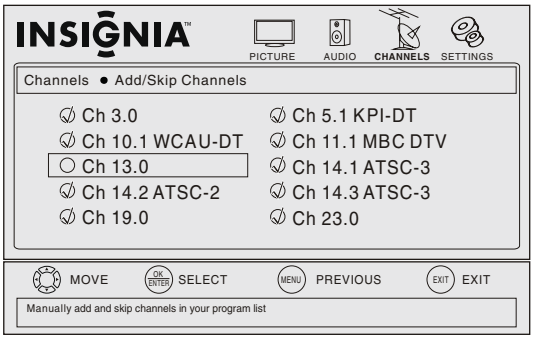
1 Press **MENU**. The on-screen menu opens with the *Picture* menu displayed.



2 Press **VOL** ◄ or **VOL** ► to select **CHANNELS**, then press **CH** ▼ or **ENTER**. The *Channels* menu opens.



3 Press **CH** ▲ or **CH** ▼ to highlight **Add/SKIP CHANNELS**, then press **ENTER** or **VOL** ►. The *Add/Skip Channels* screen opens.



4 Press **VOL** ◄, **VOL** ►, **CH** ▲, or **CH** ▼ to highlight the channel you want to hide (the default is to show channels), then press **ENTER** to remove the check mark from the channel.

5 To add a channel that has been skipped, repeat Steps 1 through 4 and press **ENTER** to add a check mark to the channel.

6 Press **MENU** to return the previous menu, or press **EXIT** to close the menu.

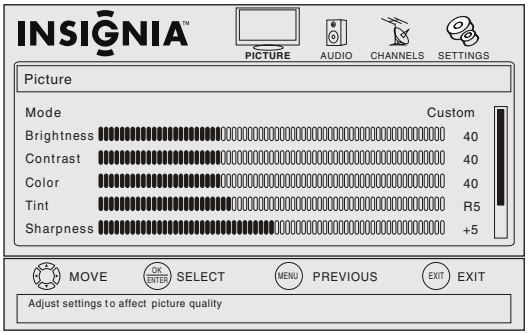
Note

Depending on how many channels are in the channel list, you may need to press **CH ▲** or **CH ▼** to scroll to the next or previous page of channels.

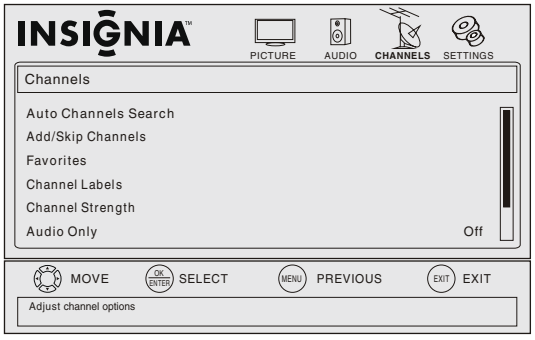
Setting up a favorite channel list

To set up a favorite channel list:

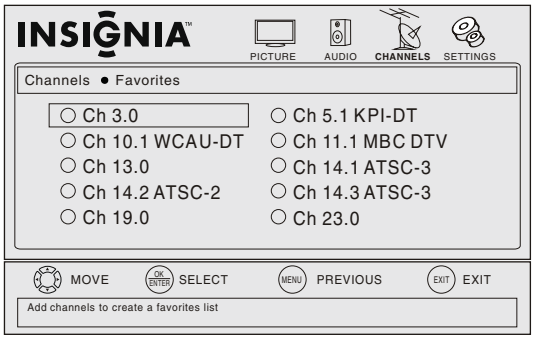
1 Press **MENU**. The on-screen menu opens with the *Picture* menu displayed.



2 Press **VOL ◄** or **VOL ►** to select **CHANNELS**, then press **CH ▼** or **ENTER**. The *Channels* menu opens.



3 Press **CH ▲** or **CH ▼** to highlight **Favorites**, then press **ENTER** or **VOL ►**. The *Favorites* screen opens.



4 Press **VOL ◄**, **VOL ►**, **CH ▲**, or **CH ▼** to highlight the channel you want to add to the *Favorites* list, then press **ENTER**. The channel is added to the list.

5 To remove a channel from the list, repeat Steps 1 through 4 and press **ENTER** to remove the check mark from the channel.

6 Press **MENU** to return the previous menu, or press **EXIT** to close menu.

Note

Depending on how many channels are in the *Favorites* list, you may need to press **CH ▲** or **CH ▼** to scroll to the next or previous page of channels.

Viewing a favorite channel

To view a favorite channel:

1 Press **FAVORITE** to open *Favorites*.

2 Press **CH ▲** or **CH ▼** to highlight the channel you want to watch, then press **ENTER** or **VOL ►** to tune to the channel.

3 Press **EXIT** to close *Favorites*.

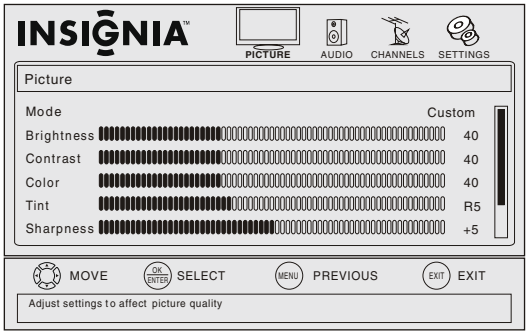
Note

Depending on how many channels are in the *Favorites* list, you may need to press **CH ▲** or **CH ▼** to scroll to the next or previous page of channels.

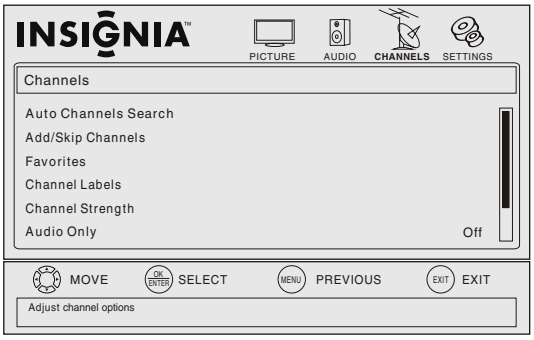
Adding or changing a channel label

To add or change a channel label:

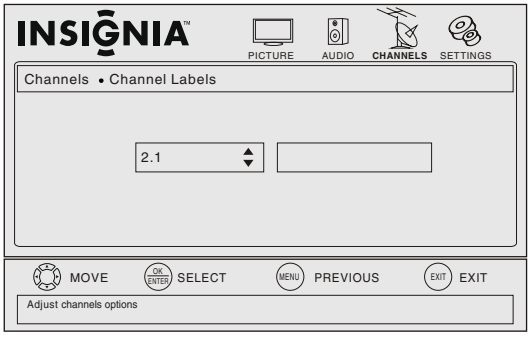
1 Press **MENU**. The on-screen menu opens with the *Picture* menu displayed.



2 Press **VOL ◄** or **VOL ►** to select **CHANNELS,** then press **CH ▼** or **ENTER**. The *Channels* menu opens.



3 Press **CH ▲** or **CH ▼** to highlight **Channel Labels**, then press **ENTER** or **VOL ►**. The *Channel Labels* screen opens.



4 Press **CH ▲** or **CH ▼** to select the channel you want to add a label to (or change the label for), then press **VOL ►** to move the cursor to label selection.

5 Press **CH ▲** or **CH ▼** to select a letter, then press **VOL ►** to go to the next letter. Repeat this step to add additional letters. You can add as many as 10 letters.

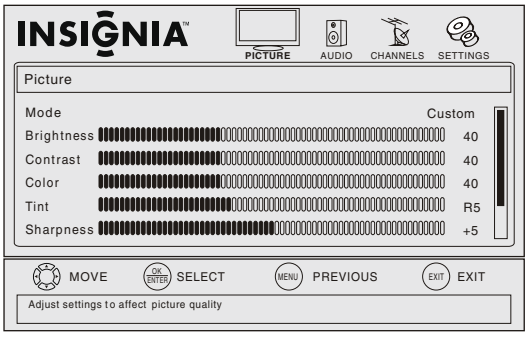
6 Press **ENTER** to confirm the label.

7 Press **MENU** to go to the previous menu, or press **EXIT** to close the menu.

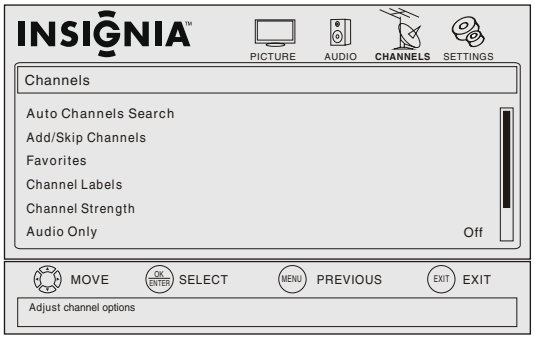
Checking the DTV signal strength

To check the DTV signal strength:

1 Press **MENU**. The on-screen menu opens with the *Picture* menu displayed.



2 Press **VOL ◄** or **VOL ►** to highlight **CHANNELS**, then press **CH ▼** or **ENTER**. The *Channels* menu opens.



3 Press **CH ▲** or **CH ▼** to highlight **Channel Strength**, then press **ENTER** or **VOL ►**. The DTV signal meter opens.

4 Press **MENU** to go to the previous menu, or press **EXIT** to close the menu.

Setting parental controls

Note

Unless otherwise noted, all tasks in this section are based on using the remote control.

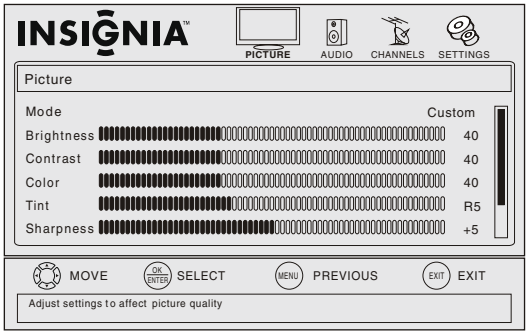
Setting or changing the password

Your TV has a V-chip that lets you control the type of programs your children can watch. Parental controls include two ratings: MPAA (based on age) and TV Parental Guidelines (based on content and age). A TV program may have an MPAA or TV Parental Guidelines rating, so you should set controls for both ratings.

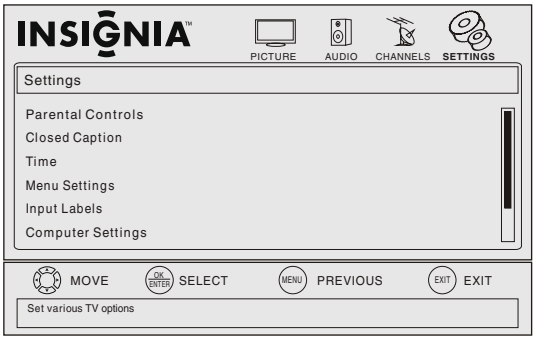
Before you can select ratings, you need to set up a parental controls password.

To set up a password:

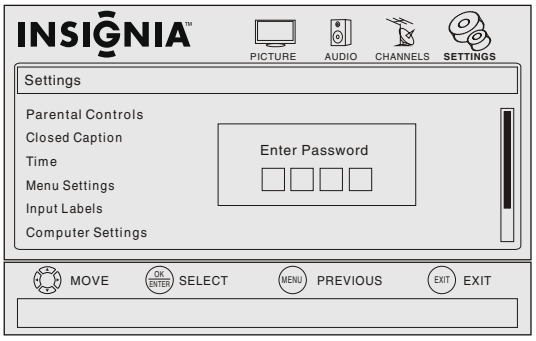
1 Press **MENU**. The on-screen menu opens with the *Picture* menu displayed.



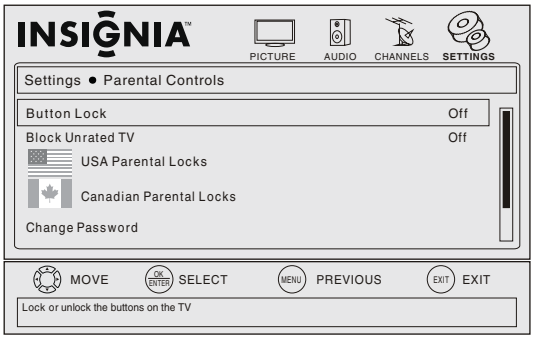
2 Press **VOL ◄** or **VOL ►** to select **SETTINGS**, then press **CH ▼** or **ENTER**. The *Settings* menu opens.



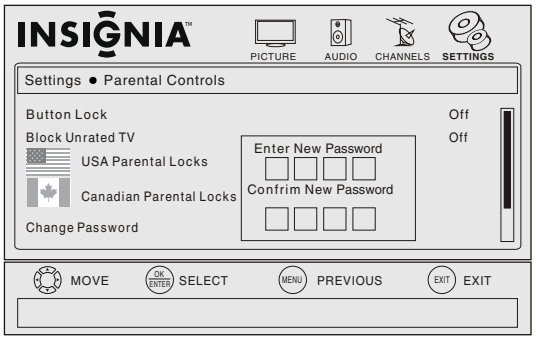
3 Press **CH ▲** or **CH ▼** to highlight **Parental Controls**, then press **ENTER** or **VOL ►**. The *Enter Password* screen opens.



4 Press the number buttons to enter the password. If you have not set a password, enter **0000**. The *Parental Controls* menu opens.



5 Press **CH ▲** or **CH ▼** to highlight **Change Password**, then press **ENTER** or **VOL ►**. The *Enter New Password* screen opens.



6 Press the number buttons to enter the new password, then enter the new password again.

Note

Write down your password and save it for future use.

If you forget your password, enter **9443** as the password. This password always remains valid for resetting your password.

Turning parental controls on or off

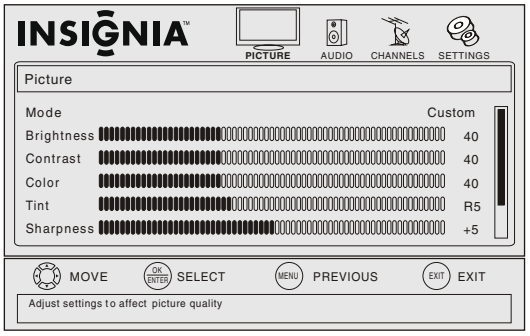
If you tune to a blocked channel or program, you are prompted to enter the password to unblock the program. Enter the password to watch the channel or program.

To turn parental controls back on, tune to another channel.

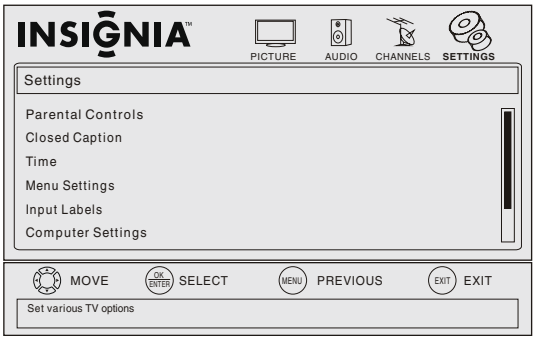
Setting parental control levels

To set parental control levels:

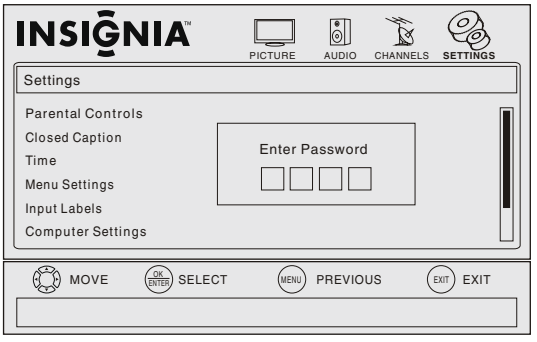
1 Press **MENU**. The on-screen menu opens with the *Picture* menu displayed.



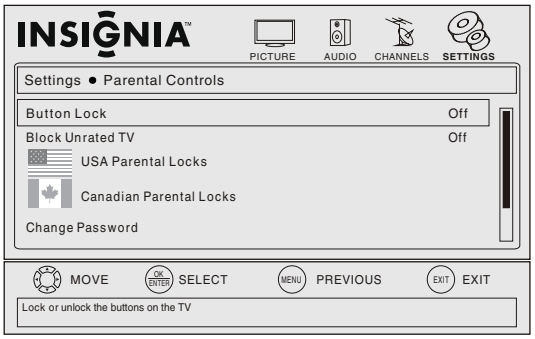
2 Press **VOL ◄** or **VOL ►** to select **SETTINGS**, then press **CH ▼** or **ENTER**. The *Settings* menu opens.



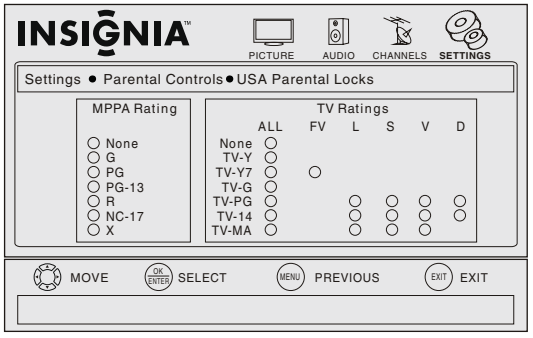
3 Press **CH ▲** or **CH ▼** to highlight **Parental Controls**, then press **ENTER** or **VOL ►**. The *Enter Password* screen opens.

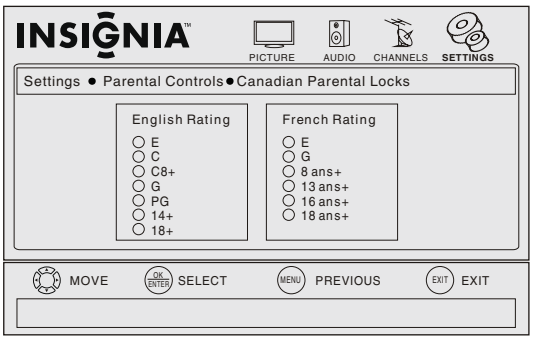


4 Press the number buttons to enter the password. If you have not set a password, enter **0000**. The *Parental Controls* menu opens.



5 Press **CH ▲** or **CH ▼** to highlight **USA Parental Locks** or **Canadian Parental Locks**, then press **ENTER** or **VOL ►**. The *USA Parental Locks* or *Canadian Parental Locks* screen opens.





6 Press **VOL ◄**, **VOL ►**, **CH ▲**, or **CH ▼** to highlight a rating, then press **ENTER** to block or unblock the rating. When you block a rating, that rating and all higher ratings are blocked.

7 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

U.S. TV ratings	
NONE	Not rated
TV-Y	All children
TV-Y7	Children over seven years of age
TV-G	General audiences
TV-PG	Parental guidance suggested
TV-14	Parents strongly cautioned
TV-MA	Mature audiences only

Some of the age-based TV Parental Guidelines ratings also have content-based ratings.

U.S. TV content ratings	
ALL	Blocks all content-based ratings
FV	Fantasy violence.
L	Adult language.
S	Sexual situations.
V	Violence.
D	Sexually suggestive dialog.

U.S. movie (MPAA) ratings	
None	Not rated
G	General audiences
PG	Parental guidance suggested
PG-13	Suitable for children 13 and older
R	Parental guidance suggested for children under 17
NC-17	Not suitable for children under 17
X	Adults only
Notes	Movie not rated.

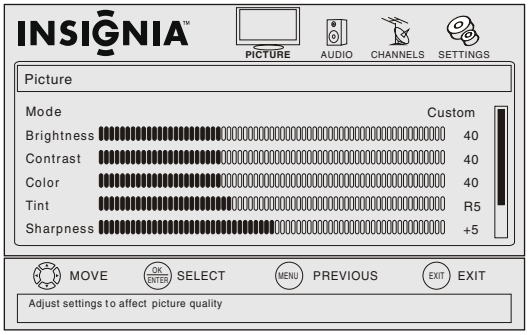
Canadian English ratings	
E	Exempt programming
C	Children
C8+	Children over 8 years old
G	General audience
PG	Parental guidance
14+	Over 14 years old
18+	Adult programming

Canadian French ratings	
E	Exempt programming
G	General audience
8ans+	Over 8 years old
13ans+	Over 13 years old
16ans+	Over 16 years old
18ans+	Over 18 years, only for adult viewing

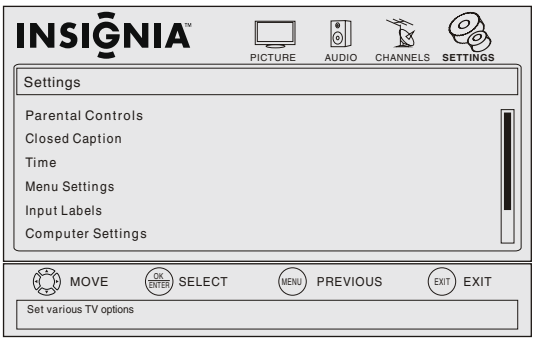
Blocking unrated TV

To block unrated TV:

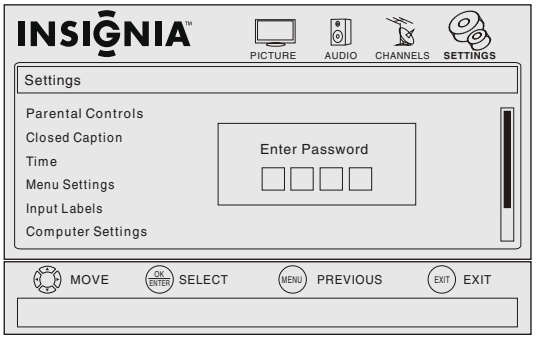
1 Press **MENU**. The on-screen menu opens with the *Picture* menu displayed.



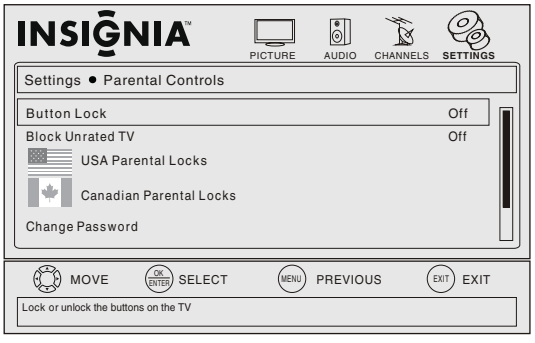
2 Press **VOL** ◄ or **VOL** ► to highlight **SETTINGS**, then press **CH** ▼ or **ENTER**. The *Settings* menu opens.



3 Press **CH** ▲ or **CH** ▼ to highlight **Parental Controls**, then press **ENTER** or **VOL** ►. The *Enter Password* screen opens.



4 Press the number buttons to enter the password. If you have not set a password, enter **0000**. The *Parental Controls* menu opens.

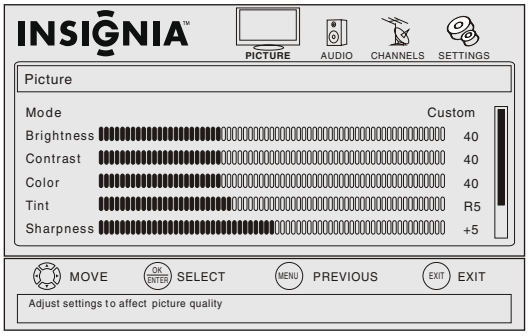


5 Press **CH** ▲ or **CH** ▼ to highlight **Block Unrated TV**, press **ENTER** or **VOL** ► to access the sub-menu, then press **CH** ▲ or **CH** ▼ to select **On** (blocks unrated TV) or **Off** (does not block unrated TV).

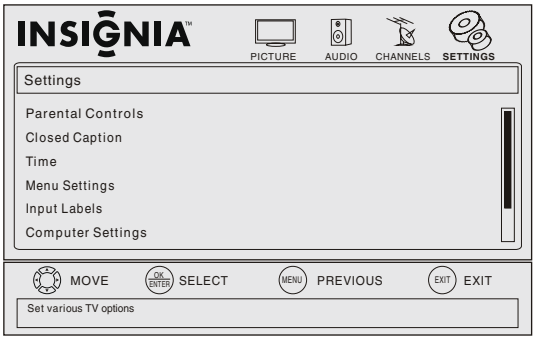
6 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Downloading rating information

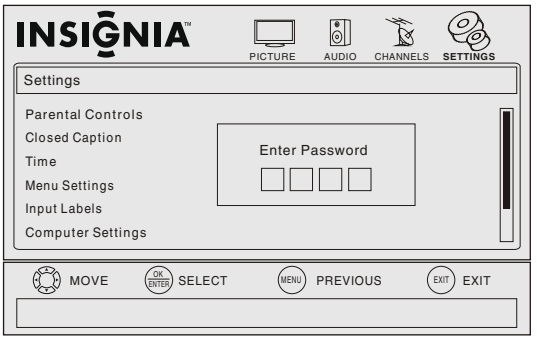
1 Press **MENU**. The on-screen menu opens with the *Picture* menu displayed.



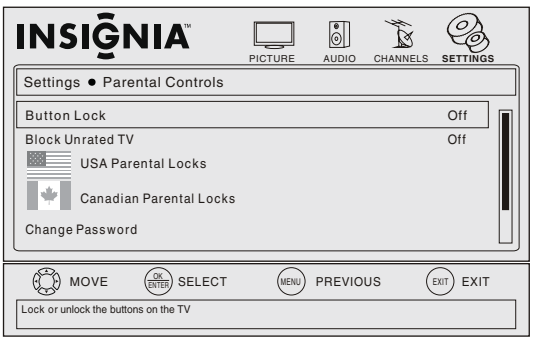
2 Press **VOL** ◄ or **VOL** ► to highlight **SETTINGS**, then press **CH** ▼ or **ENTER**. The *Settings* menu opens.



3 Press **CH** ▲ or **CH** ▼ to highlight **Parental Controls**, then press **ENTER** or **VOL** ►. The *Enter Password* screen opens.



4 Press the number buttons to enter the password. If you have not set a password, enter **0000**. The *Parental Controls* menu opens.



5 Press **CH ▲** or **CH ▼** to highlight **RRT Settings**, then press **ENTER** or **VOL ►**. If the program is broadcast with RRT5 rating information, the information is downloaded automatically and can be used for parental controls.

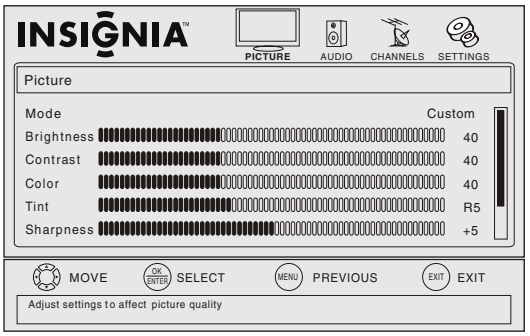
6 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Locking control buttons

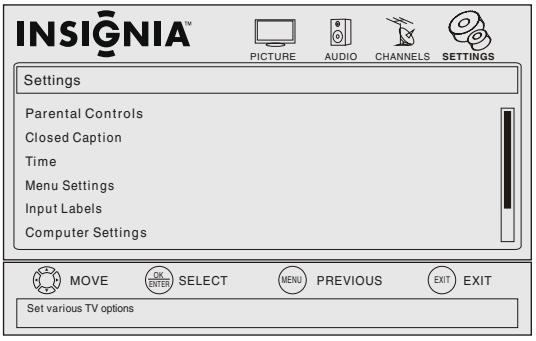
You can lock the control buttons on the TV. When the buttons are locked, you can only operate the TV using the remote control.

To lock control buttons:

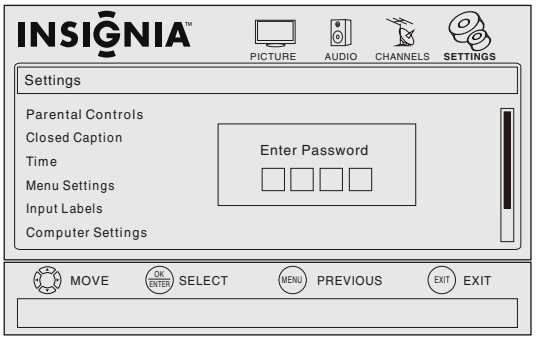
1 Press **MENU**. The on-screen menu opens with the *Picture* menu displayed.



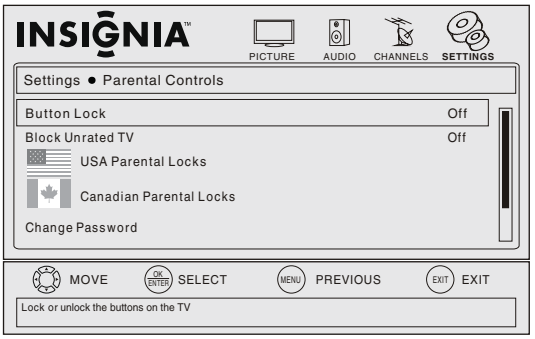
2 Press **VOL ◄** or **VOL ►** to highlight **SETTINGS**, then press **CH ▼** or **ENTER**. The *Settings* menu opens.



3 Press **CH ▲** or **CH ▼** to highlight **Parental Controls**, then press **ENTER** or **VOL ►**. The *Enter Password* screen opens.



4 Press the number buttons to enter the password. If you have not set a password, enter **0000**. The *Parental Controls* menu opens.



5 Press **CH ▲** or **CH ▼** to highlight **Button Lock**, press **ENTER** or **VOL ►** to access the sub-menu, then press **CH ▲** or **CH ▼** to select **On** or **Off**.

6 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Using closed captioning

Note

Unless otherwise noted, all tasks in this section are based on using the remote control.

Viewing closed captioning

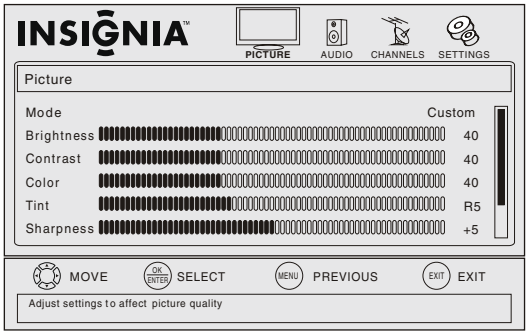
To view closed captions:

- Press **CCD** to select **CC Off**, **CC On**, or **CC On Mute**.

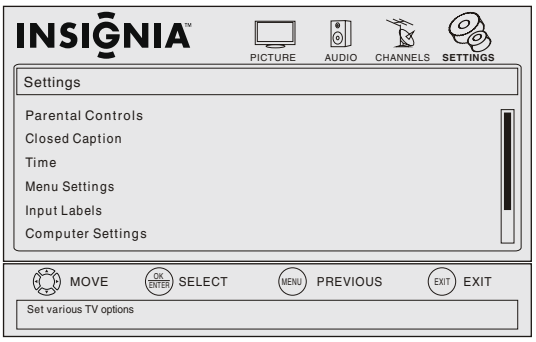
Selecting the closed captioning mode

To select the closed captioning mode:

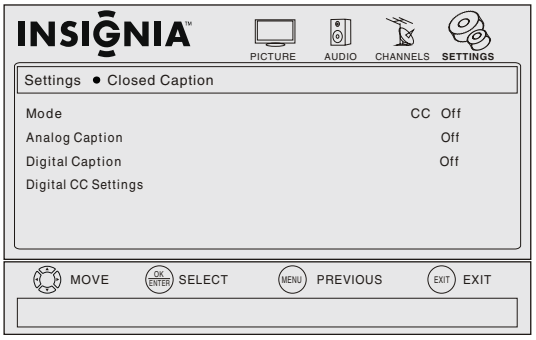
1 Press **MENU**. The on-screen menu opens with the *Picture* menu displayed.



2 Press **VOL** ◄ or **VOL** ► to highlight **SETTINGS**, then press **CH** ▼ or **ENTER**. The *Settings* menu opens.



3 Press **CH** ▲ or **CH** ▼ to highlight **Closed Caption**, then press **ENTER** or **VOL** ►. The *Closed Caption* menu opens.



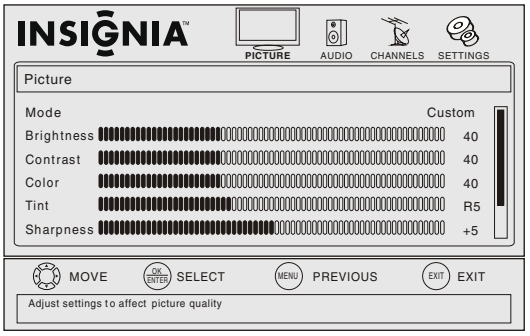
4 Press **CH** ▲ or **CH** ▼ to highlight **Analog Caption** or **Digital Caption**, press **ENTER** or **VOL** ► to access the sub-menu, then press **CH** ▲ or **CH** ▼ to select a setting.

5 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

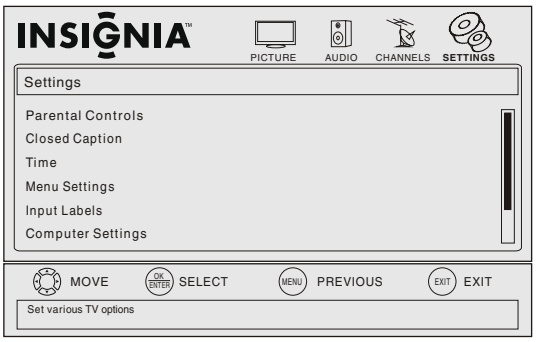
Customizing DTV closed captioning styles

To customize DTV closed captioning styles:

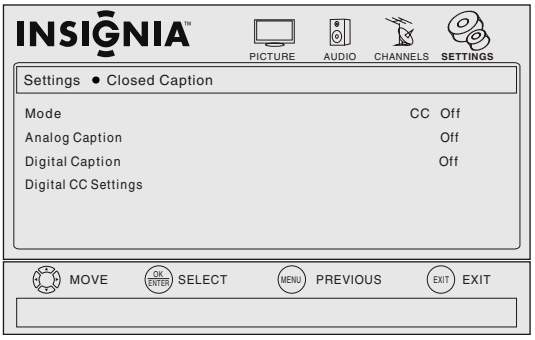
1 Press **MENU**. The on-screen menu opens with the *Picture* menu displayed.



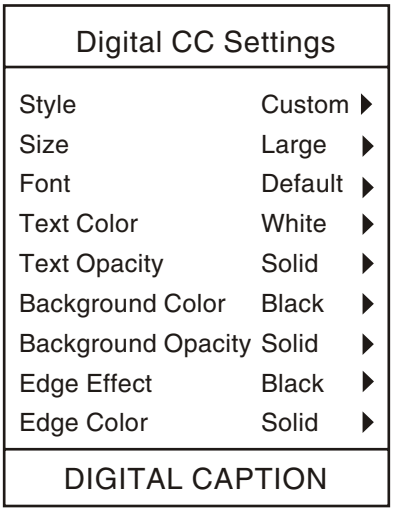
2 Press **VOL** ◄ or **VOL** ► to highlight **SETTINGS**, then press **CH** ▼ or **ENTER**. The *Settings* menu opens.



3 Press **CH** ▲ or **CH** ▼ to highlight **Closed Caption**, then press **ENTER** or **VOL** ►. The *Closed Caption* menu opens.



4 Press **CH** ▲ or **CH** ▼ to highlight **Digital CC Settings**, then press **ENTER** or **VOL** ►. The *Digital CC Settings* menu opens.



5 Press **CH** ▲ or **CH** ▼ to highlight a style, then press **VOL** ◄ or **VOL** ► to change the style.

6 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Adjusting time settings

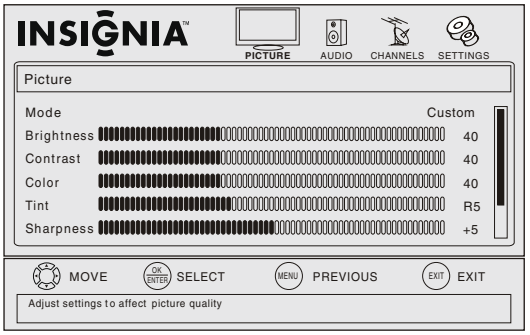
Note

Unless otherwise noted, all tasks in this section are based on using the remote control.

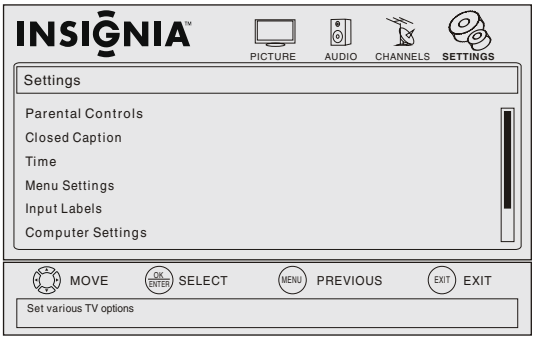
Setting the clock

To set the clock:

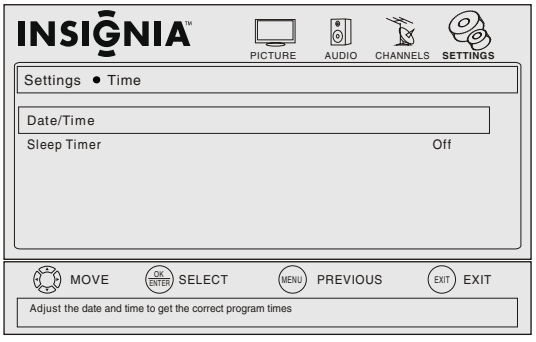
1. Press **MENU**. The on-screen menu opens with the *Picture* menu displayed.



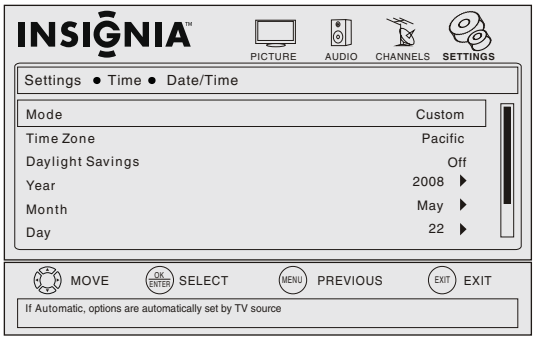
2. Press **VOL** ◄ or **VOL** ► to highlight **SETTINGS**, then press **CH** ▼ or **ENTER**. The *Settings* menu opens.



3. Press **CH** ▲ or **CH** ▼ to highlight **Time**, then press **ENTER** or **VOL** ►. The *Time* menu opens.



4. Press **CH** ▲ or **CH** ▼ to highlight **Date/Time**, then press **ENTER** or **VOL** ► to open the *Date/Time* screen.



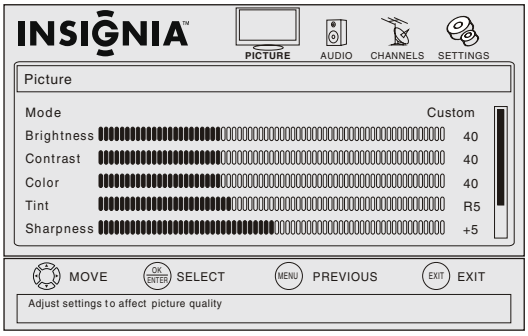
5. Press **CH** ▲ or **CH** ▼ to highlight the option. You can select:
   - **Mode**—Press **ENTER** or **VOL** ► to access the sub-menu, then press **CH** ▲ or **CH** ▼ to select **Custom** or **Auto**. To set the time manually, select **Custom**. If you select **Auto**, the time is set automatically and cannot be adjusted.
   - **Time Zone**—Press **ENTER** or **VOL** ► to access the sub-menu, then press **CH** ▲ or **CH** ▼ to select your time zone. You can select **Eastern**, **Central**, **Mountain**, **Pacific**, **Alaska**, **Hawaii**, **Atlantic**, or **Newfoundland**.
   - **Daylight Savings**—To set daylight savings time, press **ENTER** or **VOL** ► to access the sub-menu, then press **CH** ▲ or **CH** ▼ to select **On** or **Off**.
   - **Year**—Press **VOL** ◄ or **VOL** ► to select the correct year.
   - **Month**—Press **VOL** ◄ or **VOL** ► to select the correct month.
   - **Day**—Press **VOL** ◄ or **VOL** ► to select the correct day.
   - **Hour**—Press **VOL** ◄ or **VOL** ► to select the hour, minute, and AM/PM option, then press **CH** ▲ or **CH** ▼ to to set the option.
6. Press **MENU** to go to the previous menu, or press **EXIT** to close the menu.

Note

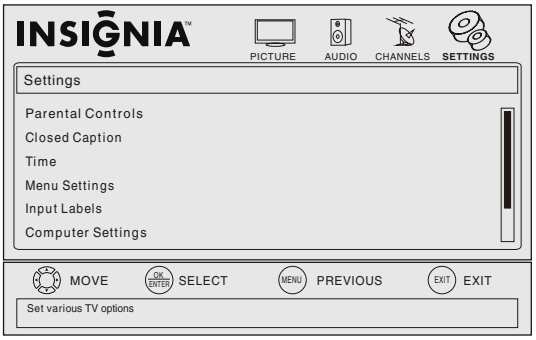
If **Mode** is set to **Auto**, the date and time are set based on a time signal received from a DTV channel, and the only options you can adjust are **Time Zone** and **Daylight Savings**.

Setting the sleep timer

1 Press **MENU**. The on-screen menu opens with the *Picture* menu displayed.

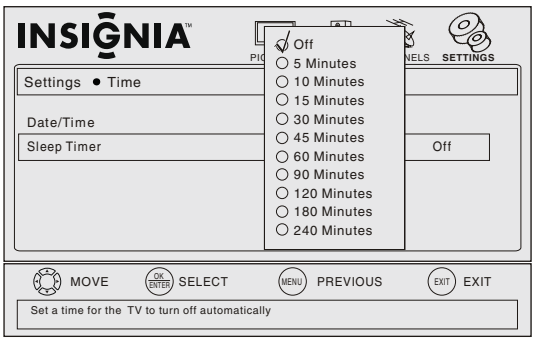


2 Press **VOL** ◄ or **VOL** ► to highlight **SETTINGS**, then press **CH** ▼ or **ENTER**. The *Settings* menu opens.



3 Press **CH** ▲ or **CH** ▼ to highlight **Time**, then press **ENTER** or **VOL** ►. The *Time* menu opens.

4 Press **CH** ▼ to highlight **Sleep Timer**, then press **ENTER** or **VOL** ► to open the sleep timer list.



5 Press **CH** ▲ or **CH** ▼ to select the amount of time you want your TV to wait before it automatically turns off, then press **ENTER** to confirm.

6 Press **MENU** to go to the previous menu, or press **EXIT** to close the menu.

Note

You can also press **SLEEP** one or more times to set the sleep timer. You can select Off, 5, 10, 15, 30, 45, 60, 90, 120, 180, or 240 minutes.

Adjusting menu settings

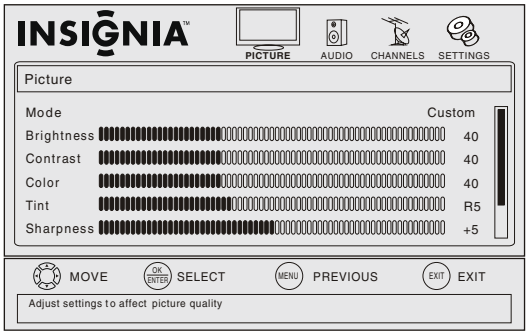
Note

Unless otherwise noted, all tasks in this section are based on using the remote control.

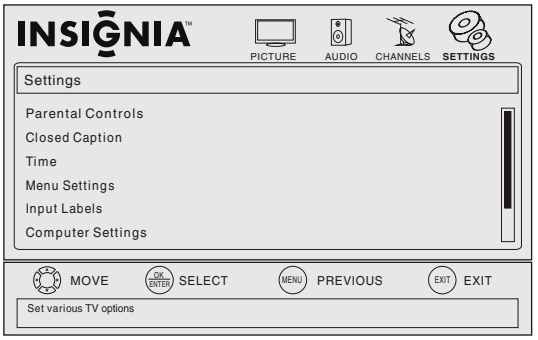
Selecting the menu language

To select the menu language:

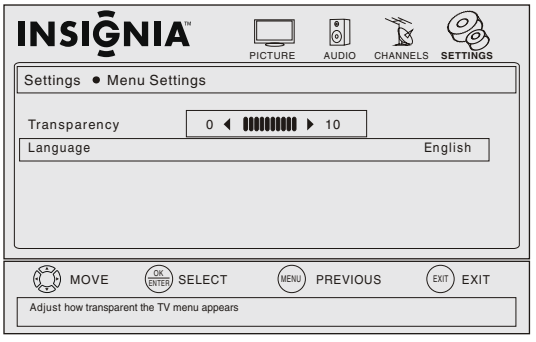
1 Press **MENU**. The on-screen menu opens with the *Picture* menu displayed.



2 Press **VOL** ◄ or **VOL** ► to highlight **SETTINGS**, then press **CH** ▼ or **ENTER**. The *Settings* menu opens.



3 Press **CH** ▼ to highlight **Menu Settings**, then press **ENTER** or **VOL** ►. The *Menu Settings* menu opens.



4 Press **CH** ▲ or **CH** ▼ to highlight Language, then press **ENTER** or **VOL** ►. The *Language* menu opens.

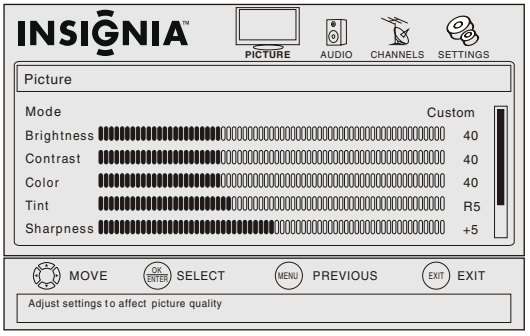
5 Press **CH** ▲ or **CH** ▼ to highlight the language you want, then press **ENTER** to confirm.

6 Press **MENU** to go to the previous menu or press **EXIT** to close the menu.

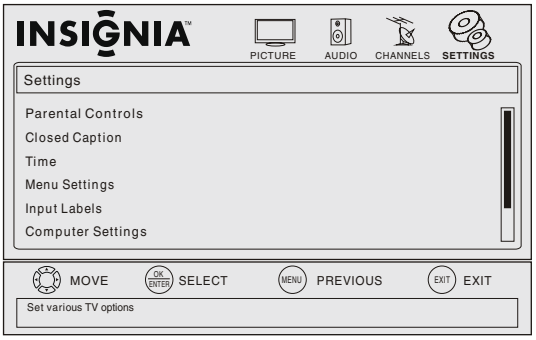
Selecting the menu transparency

To select the menu transparency:

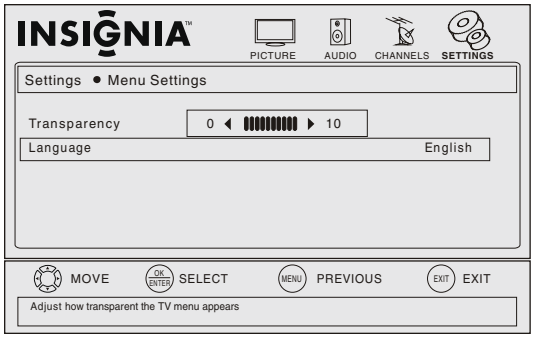
1. Press **MENU**. The on-screen menu opens with the *Picture* menu displayed.



2. Press **VOL** ◄ or **VOL** ► to highlight **SETTINGS**, then press **CH** ▼ or **ENTER**. The *Settings* menu opens.



3. Press **CH** ▲ or **CH** ▼ to highlight **Menu Settings**, then press **ENTER** or **VOL** ►. The *Menu Settings* menu opens.

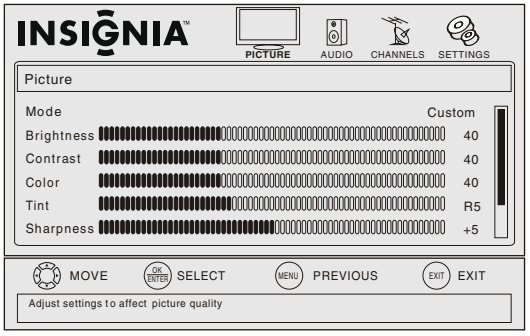


4. Press **CH** ▲ or **CH** ▼ to highlight **Transparency**, then press **VOL** ◄ or **VOL** ► to change the transparency.
5. Press **MENU** to go to the previous menu or press **EXIT** to close the menu.

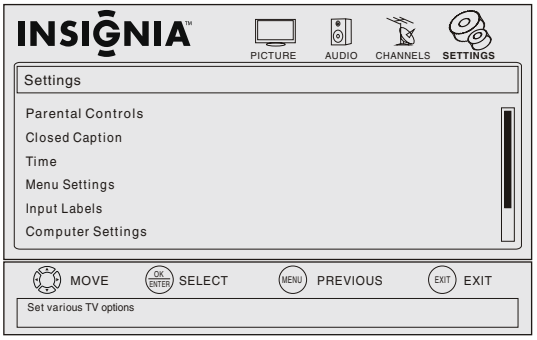
Labeling an input source

To change input labels:

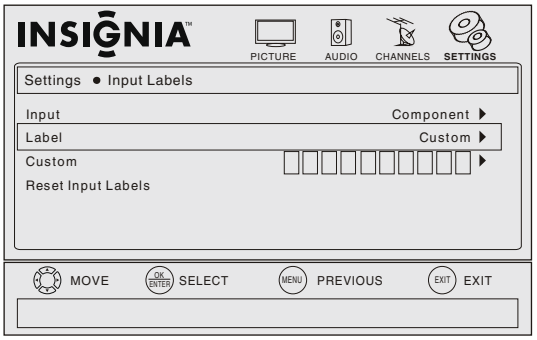
1. Press **MENU**. The on-screen menu opens with the *Picture* menu displayed.



2. Press **VOL** ◄ or **VOL** ► to highlight **SETTINGS**, then press **CH** ▼ or **ENTER**. The *Settings* menu opens.



3. Press **CH** ▲ or **CH** ▼ to highlight **Input labels**, then press **ENTER** or **VOL** ►. The *Input Labels* screen.



4. Press **CH** ▲ or **CH** ▼ to highlight **Input**, then press **VOL** ◄ or **VOL** ► to select the input you want to change the label (for example, **Composite**).
5. Press **CH** ▲ or **CH** ▼ to highlight Label, then press **VOL** ◄ or **VOL** ► to select **Custom**, **VCR**, **DVD**, **Set Top Box**, **Satellite**, **Cable Box**, **Game**, or **PC**.
6. If you selected **Custom**, press **CH** ▲ or **CH** ▼ to highlight **Custom**, then press **VOL** ► to move the cursor to label selection. Press **CH** ▲ or **CH** ▼ to select a letter or symbol, then press **VOL** ► to go to the next letter. You can enter as many as 10 characters.

7 Press **ENTER** to confirm.

8 Press **MENU** to go to previous menu or press **EXIT** to close the menu.

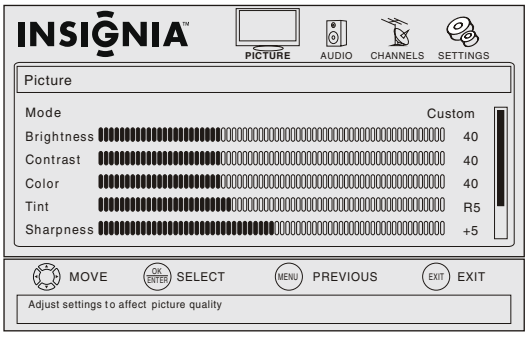
Note

To reset input labels to the factory defaults, highlight **Reset Input Labels**, then press **ENTER** or **VOL ►** to confirm.

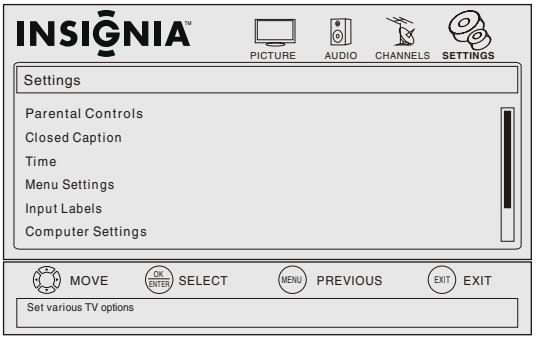
Restoring default settings

To restore default settings:

1 Press **MENU**. The on-screen menu opens with the *Picture* menu displayed.



2 Press **VOL ◄** or **VOL ►** to highlight **SETTINGS**, then press **CH ▼** or **ENTER**. The *Settings* menu opens.



3 Press **CH ▲** or **CH ▼** to highlight **Reset to Default**, then press **ENTER** or **VOL ►** to confirm.

4 Press **MENU** to go to the previous menu or press **EXIT** to close the menu.

Maintaining

- Do not use your TV in areas that are too hot or too cold, because the cabinet may warp or the screen may malfunction. Your TV works best in temperatures that are comfortable to you.
- Do not place your TV in direct sunlight or near a heat source.

Cleaning the TV cabinet and screen

Clean the cabinet with a soft, lint-free cloth. If the cabinet is especially dirty, moisten a soft, lint-free cloth in a weak detergent solution, squeeze the excess moisture from the cloth, then wipe the screen or cabinet with the cloth. Use a clean cloth to dry the screen or cabinet.

Troubleshooting

Warning

Do not try to repair your TV yourself. Refer all service to a qualified service technician.

No picture, no sound	• Make sure that your TV is plugged in to a power outlet. • Make sure that the power outlet is working.
Blank screen	• Make sure that you have selected the correct video input source. Press **INPUT** to select the source. • If power has been interrupted, turn your TV off then on again.
No sound	• Press **MUTE** to make sure the sound is not muted. • Increase the volume. • Try another channel. The problem may be with the broadcaster.
Poor sound	• Adjust the sound settings. For more information, see "Adjusting the sound" on page 17.
No picture on some channels	• Make sure that the channel has a signal. • Adjust the antenna.
No color on some channels	• Try another channel. The problem may be with the broadcaster. • Adjust the color. For more information, see "Adjusting the TV picture" on page 16. • Make sure that all cables are connected correctly and securely.
Spots appear on some pictures	• Make sure that the antenna is in good condition. • Adjust the antenna.
Abnormal functioning	• Unplug the power cord, wait 10 seconds, then plug the power cord back in and turn on your TV. • If the problem persists, contact an authorized repair technician.

Specifications

Design and specifications are subject to change without notice.

Screen	19"
Picture and sound system	NTSC, ATSC, Clear QAM
Audio out	≥3W+3W
Input jacks	• Antenna • AV • S-Video • Component • VGA • PC audio • HDMI (2)
Output jacks	R and L audio
Power requirements	120V~ 60Hz
Power consumption	50 W
Temperature	Operating: 41°F ~ 95°F (5°C ~ 35°C) Storage: 5°F ~ 113°F (-15°C ~ 45°C)
Humidity	Operating: 20% ~ 80% Storage: 5% ~ 90%
Dimensions	18.5 × 9.1 × 15.2 in. (47.1 × 23.0 × 38.5 cm)
Weight	9.5 lbs. (4.3 kg)
Accessories	Remote control AAA batteries (2) *User Guide* *Quick Setup Guide*

Legal notices

FCC Part 15

This device complies with Part 15 of the FCC Rules. Operation of this product is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply within the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced technician for help.

FCC warning

Changes or modifications not expressly approved by the party responsible for compliance with the FCC Rules could void the user's authority to operate this equipment.

Cables

Connections to this device must be made with shielded cables with metallic RF/EMI connector hoods to maintain compliance with FCC Rules and Regulations.

Canadian notice

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

"Standard Television Receiving Apparatus-Appareil de reception télévision ordinaire, Canada BETS-7 / NTMR-7".

Avis Canadian

Cat apparel numerous de la classed B respected toutes les exigencies du règlement sur le materiel brouilleur du Canada.

HDMI Licensing LLC

HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

One-year limited warranty

Insignia Products ("Insignia") warrants to you, the original purchaser of this new **NS-L19W2Q-10A** ("Product"), that the Product shall be free of defects in the original manufacture of the material or workmanship for a period of one (1) year from the date of your purchase of the Product ("Warranty Period"). This Product must be purchased from an authorized dealer of Insignia brand products and packaged with this warranty statement. This warranty does not cover refurbished Product. If you notify Insignia during the Warranty Period of a defect covered by this warranty that requires service, terms of this warranty apply.

How long does the coverage last?

The Warranty Period lasts for 1 year (365 days) from the date you purchased the Product. The purchase date is printed on the receipt you received with the Product.

What does this warranty cover?

During the Warranty Period, if the original manufacture of the material or workmanship of the Product is determined to be defective by an authorized Insignia repair center or store personnel, Insignia will (at its sole option): (1) repair the Product with new or rebuilt parts; or (2) replace the Product at no charge with new or rebuilt comparable products or parts. Products and parts replaced under this warranty become the property of Insignia and are not returned to you. If service of Products or parts are required after the Warranty Period expires, you must pay all labor and parts charges. This warranty lasts as long as you own your Insignia Product during the Warranty Period. Warranty coverage terminates if you sell or otherwise transfer the Product.

How to obtain warranty service?

If you purchased the Product at a retail store location, take your original receipt and the Product to the store you purchased it from. Make sure that you place the Product in its original packaging or packaging that provides the same amount of protection as the original packaging. If you purchased the Product from an online web site, mail your original receipt and the Product to the address listed on the web site. Make sure that you put the Product in its original packaging or packaging that provides the same amount of protection as the original packaging.

To obtain in-home warranty service for a television with a screen 30 inches or larger, call 1-888-BESTBUY. Call agents will diagnose and correct the issue over the phone or will have an Insignia-approved repair person dispatched to your home. Should the Insignia-approved repair person not correct the issue on the first call, an Insignia television (size and features to be determined by Insignia) will be loaned to you until your TV is repaired and returned, at no charge to you. This feature is only available to Insignia television consumers residing in the United States.

Where is the warranty valid?

This warranty is valid only to the original purchaser of the product in the United States, Canada, and Mexico.

What does the warranty not cover?

This warranty does not cover:

- Customer instruction
- Installation
- Set up adjustments
- Cosmetic damage
- Damage due to acts of God, such as lightning strikes
- Accident
- Misuse
- Abuse
- Negligence
- Commercial use
- Modification of any part of the Product, including the antenna
- Plasma display panel damaged by static (non-moving) images applied for lengthy periods (burn-in).

This warranty also does not cover:

- Damage due to incorrect operation or maintenance
- Connection to an incorrect voltage supply
- Attempted repair by anyone other than a facility authorized by Insignia to service the Product
- Products sold as is or with all faults
- Consumables, such as fuses or batteries
- Products where the factory applied serial number has been altered or removed

REPAIR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS YOUR EXCLUSIVE REMEDY. INSIGNIA SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR THE BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT, INCLUDING, BUT NOT LIMITED TO, LOST DATA, LOSS OF USE OF YOUR PRODUCT, LOST BUSINESS OR LOST PROFITS. INSIGNIA PRODUCTS MAKES NO OTHER EXPRESS WARRANTIES WITH RESPECT TO THE PRODUCT, ALL EXPRESS AND IMPLIED WARRANTIES FOR THE PRODUCT, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF AND CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE WARRANTY PERIOD SET FORTH ABOVE AND NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, WILL APPLY AFTER THE WARRANTY PERIOD. SOME STATES, PROVINCES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE OR PROVINCE TO PROVINCE.

Contact Insignia:

For customer service please call 1-877-467-4289
www.insigniaproducts.com

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